

Grades / Extrusion

ISO Shortname

MVR (300 °C/1.2 kg) 6.0 cm³/10 min; Extrusion; high viscosity; branched; UV stabilized; easy release; multi wall sheets / profiles; panels

ISO 7391-PC,ELS,(,,)-09-9

| Met volume-flow rate 300 °C; 1.2 kg cm³/10 min ISO 1133 6.0 Molding shrinkage, parallel 60x60x2 mm; 500 bar % ISO 294-4 0.7 Molding shrinkage, normal 60x60x2 mm; 500 bar % ISO 294-4 0.75 Molding shrinkage, parallel/normal Value range based on general practical experience % ISO 297-4 0.6 - 0.8 Met mass-flow rate 300 °C; 1.2 kg g/10 min ISO 1133 7.0 Schanical properties (23 °C/50 % r. h.) Tensile modulus 1 mm/min MPa ISO 527-1,-2 2400 Yield stress 50 mm/min MPa ISO 527-1,-2 66 | Property | Test Condition | Unit | Standard | typical Value |
|--|---|---------------------|-------------------------|-------------------------|---------------|
| Molding shrinkage, parallel 60x60x2 mm, 500 bar % ISO 294-4 0.7 Molding shrinkage, parallel/normal 60x60x2 mm, 500 bar % ISO 294-4 0.75 Molding shrinkage, parallel/normal Value range based on general practical experience % ISO 2577 0.6 - 0.8 Melt mass-flow rate 300 °C; 1.2 kg g/10 min ISO 5271-2 0.6 - 0.8 schanctar properties (3°C50 % r. h.) Tmm/min MPa ISO 5271-2 2400 Yeld strain 50 mm/min MPa ISO 5271-2 6.6 Yeld strain 50 mm/min % ISO 5271-2 6.3 Nominal strain at break 50 mm/min % ISO 5271-2 7.0 Stress at break 50 mm/min % ISO 5271-2 7.0 Stress at break 50 mm/min MPa ISO 5271-2 7.0 Stress at break 50 mm/min MPa ISO 5271-2 7.0 Strain at break 50 mm/min MPa ISO 5271-2 7.0 Stress at break 50 mm/min MPa ISO 508271-2< | heological properties | | | | |
| Molding shrinkage, normal 60x60x2 mm; 500 bar % ISO 294-4 0.75 Molding shrinkage, parallel/normal Value range based on general practical experience % b.0. ISO 2577 0.6 - 0.8 Molding shrinkage, parallel/normal 300 °C; 1.2 kg g/10 min ISO 1133 7.0 schanical properties (23 °C/50 % r. h.) Tmm/min MPa ISO 527-1.2 2400 schanical properties (23 °C/50 % r. h.) Tmm/min MPa ISO 527-1.2 66 Yield stress S0 mm/min % ISO 527-1.2 63.3 Nominal strain at break S0 mm/min % ISO 527-1.2 7.0 Strass at break S0 mm/min % ISO 527-1.2 7.0 Strain at break S0 mm/min % ISO 527-1.2 7.0 Strain at break S0 mm/min % ISO 527-1.2 7.0 Strain at break S0 mm/min MPa ISO 527-1.2 7.0 Strain at break S0 mm/min MPa ISO 527-1.2 7.0 Strain at break S0 mm/min MPa | Melt volume-flow rate | 300 °C; 1.2 kg | cm ³ /10 min | ISO 1133 | 6.0 |
| Notion Value range based on general practical experience % b.o. ISO 2577 0.6 - 0.8 Melt mass-flow rate 300 °C; 1.2 kg 9/10 min ISO 1133 7.0 schanical properties (23 °C/50 % r. h.) | Molding shrinkage, parallel | 60x60x2 mm; 500 bar | % | ISO 294-4 | 0.7 |
| practical experience number of the second of t | Molding shrinkage, normal | 60x60x2 mm; 500 bar | % | ISO 294-4 | 0.75 |
| Schanical properties (23 °C/50 % r. h.) Tensile modulus 1 mm/min MPa ISO 527.1.2 2400 Yield stress 50 mm/min MPa ISO 527.1.2 66 Yield strain 50 mm/min % ISO 527.1.2 6.3 Nomial strain at break 50 mm/min % ISO 527.1.2 > 50 Stress at break 50 mm/min MPa ISO 527.1.2 > 50 Tensile creep modulus 1 h MPa ISO 527.1.2 125 Tensile creep modulus 1 h MPa ISO 899.1 2200 Tensile creep modulus 1 h MPa ISO 899.1 2000 Flexural modulus 2 mm/min MPa ISO 178 2400 Flexural strength 2 mm/min MPa ISO 178 2400 Flexural strength 2 mm/min MPa ISO 178 7.0 Flexural strength 2 mm/min MPa ISO 178 7.4 Charpy inpact strength 2 mm/min MPa ISO 178 7.4 Charpy inp | Molding shrinkage, parallel/normal | <u> </u> | % | b.o. ISO 2577 | 0.6 - 0.8 |
| Tensile modulus 1 mm/min MPa ISO 527-1,-2 2400 Yield stress 50 mm/min MPa ISO 527-1,-2 66 Yield stress 50 mm/min % ISO 527-1,-2 6.3 Nominal strain at break 50 mm/min % ISO 527-1,-2 50 Stress at break 50 mm/min % ISO 527-1,-2 70 Strain at break 50 mm/min % ISO 527-1,-2 125 Tensile creep modulus 1 h MPa ISO 89-1 2200 Tensile creep modulus 1 h MPa ISO 89-1 2200 Tensile creep modulus 1 h MPa ISO 178 2400 Flexural modulus 2 mm/min MPa ISO 178 7.0 Flexural strength 2 mm/min MPa ISO 178 | Melt mass-flow rate | 300 °C; 1.2 kg | g/10 min | ISO 1133 | 7.0 |
| Yield stress 50 mm/min MPa ISO 527-1,-2 66 Yield strain 50 mm/min % ISO 527-1,-2 6.3 Nominal strain at break 50 mm/min % ISO 527-1,-2 >50 Stress at break 50 mm/min MPa ISO 527-1,-2 70 Strain at break 50 mm/min MPa ISO 527-1,-2 125 Tensile creep modulus 1 h MPa ISO 827-1,-2 125 Tensile creep modulus 1 h MPa ISO 827-1,-2 125 Tensile creep modulus 1 h MPa ISO 899-1 2200 Tensile creep modulus 2 mm/min MPa ISO 178 2400 Flexural strength 2 mm/min MPa ISO 178 100 Flexural strength 2 mm/min MPa ISO 178 100 Flexural strength 2 mm/min MPa ISO 178 100 Flexural strength 2 mm/min MPa ISO 178 7.0 Charpy inpact strength 2 mm/min MPa | echanical properties (23 °C/50 % r. h.) | | 3 | | 3 |
| Yield strain 50 mm/min % ISO 527-1,-2 6.3 Nominal strain at break 50 mm/min % ISO 527-1,-2 > 50 Stress at break 50 mm/min MPa ISO 527-1,-2 70 Strain at break 50 mm/min MPa ISO 527-1,-2 70 Strain at break 50 mm/min % b.0. ISO 527-1,-2 125 Tensile creep modulus 1 h MPa ISO 899-1 2000 Tensile creep modulus 1000 h MPa ISO 178 2400 Flexural modulus 2 mm/min MPa ISO 178 2400 Flexural strength 2 mm/min MPa ISO 178 100 Flexural strength 2 mm/min MPa ISO 178 7.0 Flexural strength 2 mm/min MPa ISO 178 100 Charpy inpact strength 2 mm/min MPa ISO 178 7.0 Charpy inpact strength 2 °C KJ/m² ISO 179-1eU N Charpy inpact strength -60 °C KJ/m² | Tensile modulus | 1 mm/min | MPa | ISO 527-1,-2 | 2400 |
| Nominal strain at break 50 mm/min % ISO 527.1.2 > 50 Stress at break 50 mm/min MPa ISO 527.1.2 70 Strain at break 50 mm/min % b.o. ISO 527.1.2 70 Strain at break 50 mm/min % b.o. ISO 527.1.2 125 Tensile creep modulus 1 h MPa ISO 899.1 2000 Tensile creep modulus 1000 h MPa ISO 178 2400 Flexural modulus 2 mm/min MPa ISO 178 7.0 Flexural strength 2 mm/min MPa ISO 178 7.0 Flexural strength 2 mm/min MPa ISO 178 7.0 Flexural strength 2 mm/min % ISO 178 7.0 Flexural strength 2 mm/min MPa ISO 178 7.0 Flexural strength 2 mm/min % ISO 178 7.0 Charpy impact strength 30 °C KJ/m² ISO 179.1eU N Charpy impact strength -60 °C KJ/m² | Yield stress | 50 mm/min | MPa | ISO 527-1,-2 | 66 |
| Stress at break S0 mm/min MPa ISC 527-1,2 70 Strain at break S0 mm/min % b.o. ISO 527-1,2 125 Tensile creep modulus 1 h MPa ISO 899-1 2200 Tensile creep modulus 1 h MPa ISO 899-1 2200 Tensile creep modulus 1 000 h MPa ISO 899-1 1900 Flexural modulus 2 mm/min MPa ISO 178 2400 Flexural strength 2 mm/min MPa ISO 178 7.0 Charpy impact strength 23 °C KJ/m² ISO 179-16U N Charpy impact strength 60 °C KJ/m² ISO 179-16U N Charpy inpact strength 60 °C KJ/m² ISO 7391/b.0. ISO 179 N Charpy notched impact strength 60 °C | Yield strain | 50 mm/min | % | ISO 527-1,-2 | 6.3 |
| Strain at break 50 mm/min % b.o. ISO 527-12 125 Tensile creep modulus 1 h MPa ISO 899-1 2200 Tensile creep modulus 1000 h MPa ISO 899-1 2000 Flexural modulus 2 mm/min MPa ISO 178 2400 Flexural strength 2 mm/min MPa ISO 178 7.0 Flexural strength 2 mm/min MPa ISO 178 7.0 Charpy inpact strength 20 °C kJ/m ² ISO 179-1eU N Charpy inpact strength 30 °C kJ/m ² ISO 179-1eU N Charpy inpact strength 60 °C kJ/m ² ISO 179-1eU N Charpy notched impact strength 60 °C ? 3 mm kJ/m ² ISO 7391/b.0.ISO 160-A 78P Lod notched impact strength | Nominal strain at break | 50 mm/min | % | ISO 527-1,-2 | > 50 |
| Tensile creep modulus 1 h MPa ISO 899-1 2200 Tensile creep modulus 1000 h MPa ISO 899-1 1900 Flexural modulus 2 mm/min MPa ISO 178 2400 Flexural strength 2 mm/min MPa ISO 178 100 Flexural strength 2 mm/min MPa ISO 178 7.0 Charpy impact strength 2 mm/min MPa ISO 178-1eU N Charpy impact strength -30 °C kJ/m² ISO 179-1eU N Charpy impact strength -60 °C kJ/m² ISO 7391/b.o. ISO 78P Charpy notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 16C Lod notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 65P Izod notched im | Stress at break | 50 mm/min | MPa | ISO 527-1,-2 | 70 |
| Tensile creep modulus IOO0 h MPa ISO 899-1 1900 Flexural modulus 2 mm/min MPa ISO 178 2400 Flexural strength 2 mm/min MPa ISO 178 2400 Flexural strength 2 mm/min MPa ISO 178 100 Flexural strength 2 mm/min % ISO 178 7.0 Flexural strength 2 mm/min % ISO 178 7.0 Flexural strength 2 mm/min MPa ISO 178 7.0 Flexural strength 2 mm/min MPa ISO 178 7.0 Charpy inpact strength 2 mm/min MPa ISO 178 0.0 Charpy inpact strength -30 °C k//m ² ISO 179-1eU N Charpy inpact strength -60 °C k//m ² ISO 179-1eU N Charpy notched impact strength -60 °C k//m ² ISO 7391/b.o. ISO 180 78P Charpy notched impact strength -30 °C; 3 mm k//m ² ISO 7391/b.o. ISO 180-A 65P Izod notched impact s | Strain at break | 50 mm/min | % | b.o. ISO 527-1,-2 | 125 |
| Flexural version 2 mm/min MPa ISO 178 2400 Flexural strength 2 mm/min MPa ISO 178 100 Flexural strength 2 mm/min MPa ISO 178 100 Flexural strength 2 mm/min % ISO 178 7.0 Flexural strength 2 mm/min MPa ISO 178 7.0 Charpy inpact strength 2 mm/min MPa ISO 178 7.0 Charpy inpact strength 2 mm/min MPa ISO 178 7.0 Charpy inpact strength 30 °C KJ/m² ISO 179-1eU N Charpy inpact strength -60 °C KJ/m² ISO 179-1eU N Charpy notched impact strength -60 °C KJ/m² ISO 7391/b.o. ISO 78P Charpy notched impact strength -30 °C; 3 mm KJ/m² ISO 7391/b.o. ISO 16C Lod notched impact strength -30 °C; 3 mm KJ/m² ISO 7391/b.o. ISO 180-A 65P Izod notched impact strength -30 °C; 3 mm KJ/m² ISO 7391/b.o. ISO 180-A 65P < | Tensile creep modulus | 1 h | MPa | ISO 899-1 | 2200 |
| Flexural strength 2 mm/min MPa ISO 178 100 Flexural strength 2 mm/min % ISO 178 100 Flexural strength 2 mm/min % ISO 178 7.0 Flexural strength 2 mm/min MPa ISO 178 7.0 Flexural strength 2 mm/min MPa ISO 178 7.0 Charpy impact strength 23 °C kJ/m² ISO 179.1eU N Charpy impact strength -30 °C kJ/m² ISO 179.1eU N Charpy impact strength -60 °C kJ/m² ISO 179.1eU N Charpy notched impact strength -60 °C kJ/m² ISO 179.1eU N Charpy notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 178 78P Charpy notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 65P Izod notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 65P Izod notched impact strength -30 °C; 3 mm KJ/m² ISO 7391/b.o. ISO 180-A | Tensile creep modulus | 1000 h | MPa | ISO 899-1 | 1900 |
| Flexural strength 2 mm/min % ISO 178 7.0 Flexural strength at flexural strength 2 mm/min MPa ISO 178 7.0 Flexural stress at 3.5 % strain 2 mm/min MPa ISO 178 7.0 Charpy impact strength 23 °C kJ/m² ISO 179-1eU N Charpy impact strength -30 °C kJ/m² ISO 179-1eU N Charpy impact strength -60 °C kJ/m² ISO 179-1eU N Charpy impact strength -60 °C kJ/m² ISO 7391/b.o. ISO 78P Charpy notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 78P Charpy notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 16C Charpy notched impact strength 23 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 65P Izod notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 65P Izod notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 20C(P) Puncture maximum force </td <td>Flexural modulus</td> <td>2 mm/min</td> <td>MPa</td> <td>ISO 178</td> <td>2400</td> | Flexural modulus | 2 mm/min | MPa | ISO 178 | 2400 |
| Flexural stress at 3.5 % strain 2 mm/min MPa ISO 178 74 Charpy impact strength 23 °C kJ/m² ISO 179-1eU N Charpy impact strength -30 °C kJ/m² ISO 179-1eU N Charpy impact strength -60 °C kJ/m² ISO 179-1eU N Charpy impact strength -60 °C kJ/m² ISO 179-1eU N Charpy notched impact strength -60 °C kJ/m² ISO 7391/b.o. ISO 7 | Flexural strength | 2 mm/min | MPa | ISO 178 | 100 |
| Charpy impact strength 23 °C kJ/m² ISO 179-1eU N Charpy impact strength -30 °C kJ/m² ISO 179-1eU N Charpy impact strength -60 °C kJ/m² ISO 179-1eU N Charpy impact strength -60 °C kJ/m² ISO 179-1eU N Charpy impact strength -60 °C kJ/m² ISO 7391/b.o. ISO 7 | Flexural strain at flexural strength | 2 mm/min | % | ISO 178 | 7.0 |
| Charpy impact strength -30 °C kJ/m² ISO 179-1eU N Charpy impact strength -60 °C kJ/m² ISO 179-1eU N Charpy impact strength -60 °C kJ/m² ISO 179-1eU N Charpy notched impact strength 23 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-0 78P Charpy notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-0 16C Load notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 65P Izod notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 65P Izod notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 20C(P) Puncture maximum force 23 °C N ISO 6603-2 5600 Puncture energy 23 °C J ISO 6603-2 60 | Flexural stress at 3.5 % strain | 2 mm/min | MPa | ISO 178 | 74 |
| Charpy impact strength -60 °C kJ/m² ISO 179-1eU N Charpy notched impact strength 23 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 179-16A 78P Charpy notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 179-16A 16C Load notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 65P Izod notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 65P Izod notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 65P Izod notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 20C(P) Puncture maximum force 23 °C N ISO 6603-2 5600 Puncture energy 23 °C J ISO 6603-2 60 | Charpy impact strength | 23 °C | kJ/m² | ISO 179-1eU | N |
| Charpy notched impact strength 23 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 179-1eA 78P Charpy notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 179-1eA 16C Izod notched impact strength 23 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 179-1eA 16C Izod notched impact strength 23 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 65P Izod notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 65P Izod notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 20C(P) Puncture maximum force 23 °C N ISO 6603-2 5600 Puncture energy 23 °C J ISO 6603-2 60 | Charpy impact strength | -30 °C | kJ/m² | ISO 179-1eU | N |
| Instrume | Charpy impact strength | -60 °C | kJ/m² | ISO 179-1eU | Ν |
| Instrume | Charpy notched impact strength | 23 °C; 3 mm | kJ/m² | | 78P |
| Izod notched impact strength -30 °C; 3 mm kJ/m² ISO 7391/b.o. ISO 180-A 20C(P) Puncture maximum force 23 °C N ISO 6603-2 5600 Puncture energy 23 °C J ISO 6603-2 60 | Charpy notched impact strength | -30 °C; 3 mm | kJ/m² | | 16C |
| Puncture maximum force 23 °C N ISO 6603-2 5600 Puncture energy 23 °C J ISO 6603-2 60 | Izod notched impact strength | 23 °C; 3 mm | kJ/m² | ISO 7391/b.o. ISO 180-A | 65P |
| Puncture energy 23 °C J ISO 6603-2 60 | Izod notched impact strength | -30 °C; 3 mm | kJ/m² | ISO 7391/b.o. ISO 180-A | 20C(P) |
| | Puncture maximum force | 23 °C | N | ISO 6603-2 | 5600 |
| Ball indentation hardness N/mm ² ISO 2039-1 115 | Puncture energy | 23 °C | J | ISO 6603-2 | 60 |
| | Ball indentation hardness | | N/mm² | ISO 2039-1 | 115 |





| Property | Test Condition | Unit | Standard | typical Value |
|---|--------------------------------------|---|----------------|---------------|
| Thermal properties | | | | - |
| C Glass transition temperature | 10 °C/min | °C | ISO 11357-1,-2 | 146 |
| C Temperature of deflection under load | 1.80 MPa | °C | ISO 75-1,-2 | 125 |
| C Temperature of deflection under load | 0.45 MPa | °C | ISO 75-1,-2 | 138 |
| C Vicat softening temperature | 50 N; 50 °C/h | °C | ISO 306 | 146 |
| Vicat softening temperature | 50 N; 120 °C/h | °C | ISO 306 | 145 |
| C Coefficient of linear thermal expansion, parallel | 23 to 55 °C | 10 ⁻⁴ /K | ISO 11359-1,-2 | 0.65 |
| C Coefficient of linear thermal expansion, transverse | 23 to 55 °C | 10 ⁻⁴ /K | ISO 11359-1,-2 | 0.65 |
| C Burning behavior UL 94 [UL recognition] | 0.75 mm | Class | UL 94 | HB |
| C Oxygen index | Method A | % | ISO 4589-2 | 28 |
| Thermal conductivity, cross-flow | 23 °C; 50 % r. h. | W/(m·K) | ISO 8302 | 0.20 |
| Relative temperature index (Tensile strength) [UL recognition] | 0.75 mm | °C | UL 746B | 80 |
| Relative temperature index (Tensile impact strength) [UL recognition] | 0.75 mm | °C | UL 746B | 80 |
| Relative temperature index (Ferbine impact strength) [UL recognition] | 0.75 mm | °C | UL 746B | 80 |
| Glow wire test (GWFI) | 0.8 mm | °C | IEC 60695-2-12 | 875 |
| Glow wire test (GWFI) | 1.5 mm | °C | IEC 60695-2-12 | 875 |
| Glow wire test (GWFI) | 3.0 mm | °C | IEC 60695-2-12 | 960 |
| Burning rate (US-FMVSS) | >=1.0 mm | mm/min | ISO 3795 | passed |
| | 2-1.0 mm | | 100 07 00 | passed |
| Electrical properties (23 °C/50 % r. h.) | | 1 | | |
| C Relative permittivity | 100 Hz | - | IEC 60250 | 3.1 |
| C Relative permittivity | 1 MHz | - | IEC 60250 | 3.0 |
| C Volume resistivity | | Ohm∙m | IEC 60093 | 1E14 |
| C Surface resistivity | | Ohm | IEC 60093 | 1E16 |
| C Electrical strength | 1 mm | kV/mm | IEC 60243-1 | 34 |
| Electrolytic corrosion | | Rating | IEC 60426 | A2 |
| Other properties (23 °C) | | | | |
| C Water absorption (saturation value) | Water at 23 °C | % | ISO 62 | 0.30 |
| C Water absorption (equilibrium value) | 23 °C; 50 % r. h. | % | ISO 62 | 0.12 |
| C Density | | kg/m³ | ISO 1183-1 | 1200 |
| Water vapor permeability | 23 °C; 85 % RH; 100 μm film | g/(m²·24 h) | ISO 15106-1 | 15 |
| Gas permeation | Oxygen; 100 μm film | cm ³ /(m ² ·24 h·bar) | b.o. ISO 2556 | 650 |
| Gas permeation | Oxygen; 25.4 µm (1 mil) film | cm³/(m²·24 h·bar) | b.o. ISO 2556 | 2760 |
| Gas permeation | Nitrogen; 100 µm film | cm³/(m²·24 h·bar) | b.o. ISO 2556 | 120 |
| Gas permeation | Nitrogen; 25.4 µm (1 mil) film | cm³/(m²·24 h·bar) | b.o. ISO 2556 | 510 |
| Gas permeation | Carbon dioxide; 100 µm film | cm³/(m²·24 h·bar) | b.o. ISO 2556 | 3800 |
| Gas permeation | Carbon dioxide; 25.4 µm (1 mil) film | cm³/(m²·24 h·bar) | b.o. ISO 2556 | 16900 |
| Bulk density | Pellets | kg/m³ | ISO 60 | 660 |
| Material specific properties | | | | |
| Refractive index | Procedure A | - | ISO 489 | 1.586 |
| Haze for transparent materials | 3 mm | % | ISO 14782 | < 0.8 |
| Luminous transmittance (clear transparent materials) | 1 mm | % | ISO 13468-2 | 89 |
| C Luminous transmittance (clear transparent materials) | 2 mm | % | ISO 13468-2 | 88 |
| Luminous transmittance (clear transparent materials) | 3 mm | % | ISO 13468-2 | 88 |
| Luminous transmittance (clear transparent materials) | 4 mm | % | ISO 13468-2 | 87 |





| Property | Test Condition | Unit | Standard | typical Value |
|--|----------------|------|----------|---------------|
| Processing conditions for test specimens | | | | |
| C Injection molding-Melt temperature | | °C | ISO 294 | 300 |
| C Injection molding-Mold temperature | | °C | ISO 294 | 80 |
| C Injection molding-Injection velocity | | mm/s | ISO 294 | 200 |

C These property characteristics are taken from the CAMPUS plastics data bank and are based on the international catalogue of basic data for plastics according to ISO 10350.

Impact properties: N = non-break, P = partial break, C = complete break



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Disclaimer

Typical value

These values are typical values only. Unless explicitly agreed in written form, the do not constitute a binding material specification or warranted values. Values may be affected by the design of the mold/die, the processing conditions and coloring/pigmentation of the product. Unless specified to the contrary, the property values given have been established on standardized test specimens at room temperature.

Global Disclaimer PCS

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