

HOSTAFORM® S 9243 XAP®2 - POM

Beschreibung

Modifiziertes POM-Copolymer Elastomerhaltiger Spritzgießtyp, mit höherer Schlagzähigkeit und etwas verminderter Härte, Steifheit und chemischer Beständigkeit im Vergleich zum Grundtyp HOSTAFORM C 9021; Verbessertes Emissionsverhalten, Emissionen nach VDA 275 < 5 mg/kg gute Fließnahtfestigkeit. Anwendungen: Für Formteile mit hohem Arbeitsaufnahmevermögen und ausgezeichneter Bindenahtfestigkeit. Vorläufiges Datenblatt

Physikalische Eigenschaften	Wert	Einheit	Test Standard
Dichte	1330	kg/m³	ISO 1183
Schmelzevolumenrate, MVR	4	cm³/10min	ISO 1133
MVR temperatur	190	°C	ISO 1133
MVR belastung	2,16	kg	ISO 1133
Verarbeitungsschwindigkeit, parallel	1,9	%	ISO 294-4, 2577
Verarbeitungsschwindigkeit, senkrecht	1,8	%	ISO 294-4, 2577
Wasseraufnahme, 23°C-Sätt	1	%	ISO 62
Feuchtigkeitsaufnahme, 23°C/50%RH	0,2	%	ISO 62

Mechanische Eigenschaften	Wert	Einheit	Test Standard
Zug-Modul	1950	MPa	ISO 527-2/1A
Streckspannung, 50mm/min	44	MPa	ISO 527-2/1A
Streckdehnung, 50mm/min	9	%	ISO 527-2/1A
Nominelle Bruchdehnung, 50mm/min	40	%	ISO 527-2/1A
Zug-Kriechmodul, 1h	1700	MPa	ISO 899-1
Zug-Kriechmodul, 1000h	950	MPa	ISO 899-1
Biegemodul, 23°C	1850	MPa	ISO 178
Charpy-Schlagzähigkeit, +23°C	NB	kJ/m²	ISO 179/1eU
Charpy-Schlagzähigkeit, -30°C	200 ^[P]	kJ/m²	ISO 179/1eU
Charpy-Kerbschlagzähigkeit, +23°C	15	kJ/m²	ISO 179/1eA
Charpy-Kerbschlagzähigkeit, -30°C	9	kJ/m²	ISO 179/1eA

P: Teilweiser Bruch

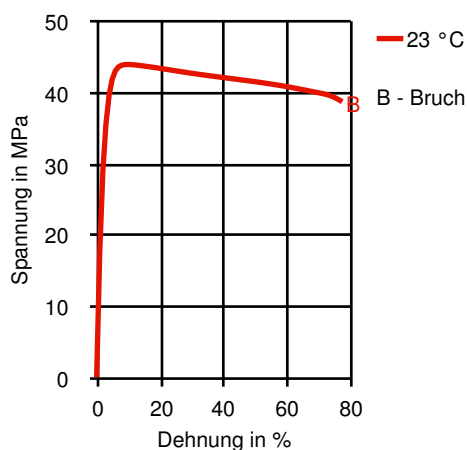
Thermische Eigenschaften	Wert	Einheit	Test Standard
Schmelztemperatur, 10°C/min	166	°C	ISO 11357-1/-3
Formbeständigkeitstemperatur, 1.80 MPa	75	°C	ISO 75-1, -2
Vicat-Erweichungstemperatur, 50°C/h 50N	130	°C	ISO 306
Längenausdehnungskoeffizient, parallel	1,2	E-4/°C	ISO 11359-2

Elektrische Eigenschaften	Wert	Einheit	Test Standard
Dielektrizitätszahl, 100Hz	3,8	-	IEC 60250
Dielektrizitätszahl, 1MHz	3,8	-	IEC 60250
Dielektrischer Verlustfaktor, 100Hz	30	E-4	IEC 60250
Dielektrischer Verlustfaktor, 1MHz	60	E-4	IEC 60250
Spezifischer Durchgangswiderstand	1E11	Ohm*m	IEC 60093
Spezifischer Oberflächenwiderstand	1E13	Ohm	IEC 60093
Vergleichszahl der Kriechwegbildung	600	-	IEC 60112

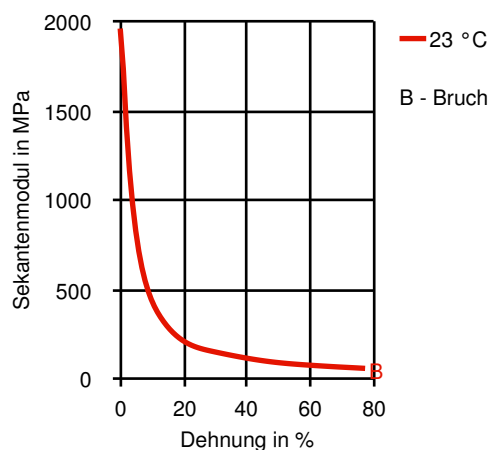
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Diagramme

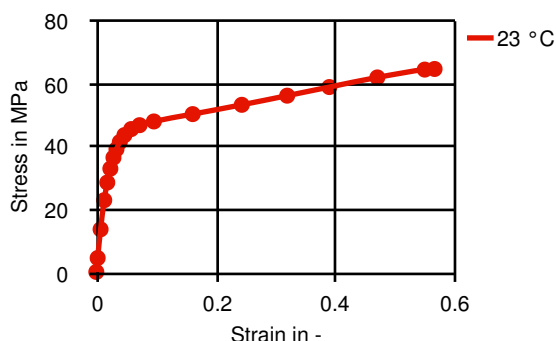
Spannung-Dehnung



Sekantenmodul-Dehnung



True Stress-strain



Typische Spitzgußbedingungen

Vortrocknung	Wert	Einheit	Test Standard
Max. zulässige Restfeuchte	0,15	%	-
Trocknungszeit	3 - 4	h	-
Trocknungstemperatur	100 - 120	°C	-
Verarbeitungstemperaturen	Wert	Einheit	Test Standard
Trichtertemperatur	20 - 30	°C	-
Temperatur in der Einzugszone	60 - 80	°C	-
Zone1 Temperatur	170 - 180	°C	-
Zone2 Temperatur	180 - 190	°C	-
Zone3 Temperatur	190 - 200	°C	-
Zone4 Temperatur	190 - 200	°C	-
Düsentemperatur	190 - 200	°C	-
Massetemperatur	190 - 200	°C	-
Werkzeugtemperatur	60 - 80	°C	-
Heißkanaltemperatur	190 - 200	°C	-
Verarbeitungsdrücke	Wert	Einheit	Test Standard
Staudruck	20	bar	-
Verarbeitungsgeschwindigkeiten	Wert	Einheit	Test Standard
Einspritzgeschwindigkeit	slow-medium	-	-
Schneckendrehzahlen	Wert	Einheit	Test Standard
Schneckendrehzahl, 25mm	150	RPM	-
Schneckendrehzahl, 40mm	100	RPM	-
Schneckendrehzahl, 55mm	70	RPM	-

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Weitere Informationen

Pre-drying

It is normally not necessary to dry HOSTAFORM. However, should there be surface moisture (condensate) on the molding compound as a result of incorrect storage, drying is required. A circulating air drying cabinet can be used for this purpose if the granul

Verlängerte Trocknungszeiten / Lagerung

The product can then be stored in standard conditions until processed.

Spritzgießen

Auf handelsüblichen Spritzgießmaschinen mit 15-25 D langen Dreizonen-Schnecken verarbeitbar.

Merkmale

Produktkategorien

Schlagzähmodifiziert

Lieferformen

Granulat

Verarbeitungsmethoden

Spritzgießen

Additive

Entformungshilfsmittel

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Allgemeine Haftungsausschlußerklärung

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Trademark

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