

SANTOPRENE™ 8221-65M300 - TPV

Product Description

A soft, colorable, UV resistant thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material is designed for automotive interior applications requiring low fogging and good appearance. This grade of Santoprene™ TPV is shear-dependent and can be processed on conventional thermoplastics equipment for injection molding. It is polyolefin based and recyclable within the manufacturing stream.

Characteristics

Applications	Automotive - Grips, Automotive - Interior, Automotive - Interior Mat
Uses	Automotive applications, Automotive interior parts, Outdoor applications
Color	Natural color
Delivery Form	Pellets
Processing	Injection molding, Multi injection molding

Physical properties	Value	Unit	Test Standard
Density	0.92	g/cm ³	ASTM D792
Density	920	kg/m ³	ISO 1183

Hardness	Value	Unit
Shore A hardness-TPE, 15s	65	

Mechanical properties	Value	Unit	Test Standard
Tensile stress at 100%, perpendicular	2.1	MPa	ASTM D412
Tensile stress at 100%, perpendicular	2.1	MPa	ISO 37
Tensile strength at break elast, perpendicular	4.7	MPa	ASTM D412
Tensile stress at break, perpendicular	4.7	MPa	ISO 37
Elongation at break elast, perpendicular	470	%	ASTM D412
Tensile strain at break, perpendicular	470	%	ISO 37

Thermal properties	Value	Unit	Test Standard
Brittleness temperature	-60	°C	ASTM D746

Injection	Value	Unit
Drying temperature	82	°C
Drying time	3	h

Other text information

Processing Notes

Desiccant drying for 3 hours at 80°C (180°F) is recommended. Santoprene™ TPV has a wide temperature processing window from 175 to 230°C (350 to 450°F) and is incompatible with acetal and PVC.

Other Approvals

OEM	Specification
Chrysler (FCA)	MS-AR-27A
FORD	WSS-M2D510-A6
GM	GMW15816, Type 5

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