Versaflex™ PKG 4190 Translucent

Thermoplastic Elastomer

Key Characteristics

Product Description
Versaflex PKG 4190 Translucent is a translucent semi-hard plastomer made of thermoplastic elastomer and polyethylene, developed for capliner applications. Versaflex PKG 4190 Translucent will give adhesion when melt pressed on lackered metal, provided the lacker is a modified grade for polyethylene adhesion. Due to the good organoleptic properties it might be used for cap liners in contact with sensitive drinks, e.g. mineral water.

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Organoleptic Properties		
Uses	• Cap Liners • Consumer Applications	• Containers • Food Packaging	• Gaskets • Liners
RoHS Compliance	• RoHS Compliant		
Appearance	• Translucent		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.900 g/cm³	0.900 g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/5.0 kg)	35 cm³/10min	35 cm³/10min	ISO 1133
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Stress [2] (Break, 0.0787 in (2.00 mm))	1450 psi	10.0 MPa	DIN 53504
Tensile Elongation [2]			DIN 53504
Break, 0.0787 in (2.00 mm)	600 %	600 %	
Compression Set (73°F (23°C), 72 hr)	25 %	25 %	ISO 815
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (Shore D, 10 sec)	26	26	ISO 48-4

Additional Information
Properties are measured using injection molded plaques.

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	356 to 410 °F	180 to 210 °C
Extrusion	**Typical Value (English)**	**Typical Value (SI)**
Melt Temperature	320 to 374 °F	160 to 190 °C
Die Temperature	356 to 392 °F	180 to 200 °C

Notes

[1] Typical values are not to be construed as specifications.

[2] 7.9 in/min (200 mm/min)

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