Versaflex™ PKG 4345 T

Thermoplastic Elastomer

Key Characteristics

Product Description			
Versaflex PKG 4345 T thermoplastic elastomer compound is based on block copolymers and may be appropriate where FDA and EU 10/2011 compliancies are required. Versaflex PKG 4345 T is 45 Sh A version of Versaflex PKG 4365 T.			
General			
Material Status	• Commercial: Active		
Regional Availability	• Europe		
Uses	• General Purpose		
Agency Ratings	• EU 2003/11/EC [1]	• FDA 21 CFR 177.1210 [1]	• FDA 21 CFR 177.2600 [1]
RoHS Compliance	• RoHS Compliant		
Appearance	• Translucent		
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties [2]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.900 g/cm³	0.900 g/cm³	ISO 1183
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [3] (73°F (23°C))	1020 psi	7.00 MPa	DIN 53504-S2
Tensile Elongation [3] (Break, 73°F (23°C))	860 %	860 %	DIN 53504-S2
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (Shore A, 10 sec)	45	45	ISO 48-4
Additional Information	**Typical Value (English)**	**Typical Value (SI)**	
Generic Material Type	Thermoplastic Elastomer	Thermoplastic Elastomer	
Properties are measured using injection molded plaques.			

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	338 to 428 °F	170 to 220 °C
Mold Temperature	86 to 140 °F	30 to 60 °C
Injection Rate	Moderate-Fast	Moderate-Fast

Notes

[1] Product rating may be influenced by end product and/or conditions of use. Please contact GLS Thermoplastic Elastomers for information adressing EU (EU 10/2011) and FDA (21 CFR 177.1210; 21 CFR 177.2600) compliance.

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

[3] 7.9 in/min (200 mm/min)

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