Versaflex™ PKG 4570

Thermoplastic Elastomer

Key Characteristics

Product Description	
Versaflex PKG 4570 is a thermoplastic elastomer compound and my be appropriate where FDA compliancy is required.	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Uses	• General Purpose
Agency Ratings	• FDA [1]
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties [2]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.10 g/cm³	1.10 g/cm³	ISO 1183
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength (Break)	1310 psi	9.00 MPa	DIN 53504-S2
Tensile Elongation (Break)	650 %	650 %	DIN 53504-S2
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (Shore A, 10 sec)	70	70	ISO 48-4
Additional Information	**Typical Value (English)**	**Typical Value (SI)**	
Generic Material Type	Thermoplastic Elastomer (TES)	Thermoplastic Elastomer (TES)	

Properties are measured using injection molded plaques.

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	338 to 464 °F	170 to 240 °C
Mold Temperature	86 to 140 °F	30 to 60 °C
Injection Rate	Moderate-Fast	Moderate-Fast
Extrusion	**Typical Value (English)**	**Typical Value (SI)**
Drying Temperature	122 to 140 °F	50 to 60 °C
Drying Time	1.0 to 3.0 hr	1.0 to 3.0 hr
Suggested Max Moisture	0.020 to 0.030 %	0.020 to 0.030 %

Notes

[1] Product rating may be influenced by end product design and/or conditions of use. Please contact GLS Thermoplastic Elastomers for information adressing FDA compliance.

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

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