Versaflex™ CE 3620 EU

Thermoplastic Elastomer

Key Characteristics

Product Description	
Versaflex CE 3620 EU thermoplastic elastomer compound is based on block copolymers.	
General	
Material Status	• Commercial: Active
Regional Availability	• Europe
Uses	• General Purpose
RoHS Compliance	• RoHS Compliant
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.00 g/cm³	1.00 g/cm³	ISO 1183
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [2] (73°F (23°C))	1310 psi	9.00 MPa	DIN 53504-S2
Tensile Elongation [2] (Break, 73°F (23°C))	600 %	600 %	DIN 53504-S2
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Compression Set			ISO 815
73°F (23°C), 72 hr	25 %	25 %	
158°F (70°C), 22 hr	75 %	75 %	
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (Shore A, 10 sec)	65	65	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
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] Typical values are not to be construed as specifications.

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

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