GLS AE3-330

Thermoplastic Elastomer

Key Characteristics

Product Description		
GLS AE3-330 is customer thermoplastic elastomer formulation. This grade is cleanliness product.		
General		
Material Status	• Commercial: Active	
Regional Availability	• Asia Pacific	
Features	• General Purpose	• Good Processability
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	1.07 g/cm³	1.07 g/cm³	ASTM D792
Molding Shrinkage - Flow	8.0E-3 in/in	0.80 %	ASTM D955
Molding Shrinkage - Across Flow	0.011 in/in	1.1 %	ASTM D955
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength (Break, 73°F (23°C))	1450 psi	10.0 MPa	ASTM D412
Tensile Elongation (Break, 73°F (23°C))	1100 %	1100 %	ASTM D412
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (Shore A, 10 sec)	82	82	ASTM D2240
Fill Analysis	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Apparent Viscosity			ASTM D3835
392°F (200°C), 11200 sec^-1	158 Pa·s	158 Pa·s	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Rear Temperature	329 to 392 °F	165 to 200 °C
Middle Temperature	365 to 464 °F	185 to 240 °C
Front Temperature	370 to 455 °F	188 to 235 °C
Nozzle Temperature	370 to 446 °F	188 to 230 °C
Mold Temperature	60 to 113 °F	16 to 45 °C
Injection Rate	Moderate-Fast	Moderate-Fast
Back Pressure	0.00 to 120 psi	0.00 to 0.827 MPa
Extrusion	**Typical Value (English)**	**Typical Value (SI)**
Drying Temperature	140 to 158 °F	60 to 70 °C
Drying Time	3.0 hr	3.0 hr

Notes

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

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