GLS AD7-850

Thermoplastic Elastomer

Key Characteristics

Product Description		
GLS AD7-850 is a thermoplastic elastomer compound is based on styrenic block copolymers. UV-protected (development AD7-850 D);		
General		
Material Status	• Commercial: Active	
Regional Availability	• Europe	
Uses	• General Purpose	• Industrial Applications
RoHS Compliance	• RoHS Compliant	
Appearance	• Black	
Forms	• Pellets	
Processing Method	• Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	1.29 g/cm³	1.29 g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/5.0 kg)	17 cm³/10min	17 cm³/10min	ISO 1133
Mechanical	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength [2] (73°F (23°C))	1020 psi	7.00 MPa	ISO 37
Tensile Elongation [2] (Break, 73°F (23°C))	790 %	790 %	ISO 37
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tear Strength	183 lbf/in	32.0 kN/m	ISO 34-1
Compression Set			ISO 815
73°F (23°C), 70 hr	30 %	30 %	
158°F (70°C), 22 hr	47 %	47 %	
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (Shore A, 10 sec)	70	70	ISO 7619
Flammability	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Flame Rating (0.06 in (1.6 mm))	V-2	V-2	UL 94
Glow Wire Flammability Index			IEC 60695-2-12
0.06 in (1.6 mm)	1290 °F	700 °C	

Additional Information
Properties are measured using injection molded plaques.

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Processing (Melt) Temp	356 to 392 °F	180 to 200 °C
Mold Temperature	86 to 122 °F	30 to 50 °C

Notes

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

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

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