GLS AS4-955A

Thermoplastic Elastomer

Key Characteristics

Product Description			
GLS AD4-955A is targeted for extrusion products , which is styrene co-polymer based TPE material with good UV stability, chemical resistance.			
General			
Material Status	• Commercial: Active		
Regional Availability	• Asia Pacific		
Features	• Chemical Resistant	• Good Processability	• UV Stabilized
Uses	• Bonding • Flexible Grips	• General Purpose • Soft Touch Applications	
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.950 g/cm³	0.950 g/cm³	ISO 1183
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength			DIN 53504
Break, 0.0787 in (2.00 mm)	609 psi	4.20 MPa	
Tensile Elongation			DIN 53504
Break, 0.0787 in (2.00 mm)	480 %	480 %	
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Shore Hardness (Shore A, 10 sec)	52	52	ISO 48-4
Fill Analysis	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Apparent Viscosity			ISO 11443
392°F (200°C), 11200 sec^-1	41.6 Pa·s	41.6 Pa·s	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Rear Temperature	329 to 383 °F	165 to 195 °C
Middle Temperature	350 to 464 °F	177 to 240 °C
Front Temperature	370 to 455 °F	188 to 235 °C
Nozzle Temperature	370 to 428 °F	188 to 220 °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

Notes

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

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