

GLS 470-011 TRANSLUCENT

Thermoplastic Elastomer

Key Characteristics

Product Description			
GLS 470-011 TRANSLUCENT is an easy processing, general purpose TPE designed for a wide variety of applications.			
General			
Material Status	• Commercial: Active		
Regional Availability	• Asia Pacific		
Features	• General Purpose	• Good Processability	
Uses	• Flexible Grips • General Purpose	• Household Goods • Overmolding	• Soft Touch Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Translucent		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

Technical Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.900 g/cm ³	0.900 g/cm ³	ISO 1183
Elastomers	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength			DIN 53504
Break, 0.0787 in (2.00 mm)	2540 psi	17.5 MPa	
Tensile Elongation			DIN 53504
Break, 0.0787 in (2.00 mm)	660 %	660 %	
Hardness	Typical Value (English)	Typical Value (SI)	Test Method
Shore Hardness (Shore A, 10 sec)	90	90	ISO 48-4
Fill Analysis	Typical Value (English)	Typical Value (SI)	Test Method
Apparent Viscosity			ISO 11443
392°F (200°C), 11200 sec ⁻¹	18.7 Pa·s	18.7 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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