GLS AC2-837C

Thermoplastic Elastomer

Key Characteristics

Product Description

GLS AC2-837C is designed for overmolding onto a wide variety of substrates including PC, ABS, PC/ABS, HIPS, PPO, POM, acrylic and copolyester.

- Bonds to a Variety Of Substrates
- Rubbery Feel
- Soft Touch
- Very Good Surface Aesthetics

General			
Material Status	• Commercial: Active		
Regional Availability	• Asia Pacific		
Features	• Good Adhesion		
Uses	• Flexible Grips • General Purpose	• Overmolding • Soft Touch Applications	• Sporting Goods
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 / Specific Gravity	1.01	1.01	ASTM D792
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Strength (Break, 73°F (23°C))	1860 psi	12.8 MPa	ASTM D412
Tensile Elongation (Break, 73°F (23°C))	820 %	820 %	ASTM D412
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness (Shore A, 10 sec)	66	66	ASTM D2240
Fill Analysis	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Apparent Viscosity			ASTM D3835
392°F (200°C), 11200 sec^-1	19.6 Pa·s	19.6 Pa·s	

Processing Information

Injection	Typical Value (English)	Typical Value (SI)
Rear Temperature	338 to 428 °F	170 to 220 °C
Middle Temperature	356 to 446 °F	180 to 230 °C
Front Temperature	356 to 446 °F	180 to 230 °C
Nozzle Temperature	356 to 437 °F	180 to 225 °C
Mold Temperature	68 to 122 °F	20 to 50 °C
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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