Synprene™ IT 37-035 BLACK 2001

Thermoplastic Elastomer

Key Characteristics

General			
Material Status	• Commercial: Active		
Regional Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Mineral		
Additive	• UV Stabilizer		
Features	• General Purpose		
Uses	• Consumer Applications	• General Purpose	• Industrial Applications
Forms	• Pellets		
Processing Method	• Injection Molding		

Technical Properties [1]

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density / Specific Gravity	1.00	1.00	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	9.0 g/10 min	9.0 g/10 min	ASTM D1238
Molding Shrinkage - Flow	9.0E-3 to 0.013 in/in	0.90 to 1.3 %	ASTM D955
Elastomers	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Tensile Stress [2] (300% Strain)	1950 psi	13.4 MPa	ASTM D412A
Tensile Strength [2] (Break)	2400 psi	16.5 MPa	ASTM D412A
Tensile Elongation [2] (Break)	500 %	500 %	ASTM D412A
Tear Strength [3]	540 lbf/in	94.6 kN/m	ASTM D624
Hardness	**Typical Value (English)**	**Typical Value (SI)**	**Test Method**
Durometer Hardness (Shore D, 10 sec)	45	45	ASTM D2240

Notes

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

[2] 20 in/min (510 mm/min)

[3] Die C, 20 in/min (510 mm/min)

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