

PolyOne Elastamax™ EG-9065 Thermoplastic Elastomer (TPE)

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

The Elastamax™ EG 9000 Series is a new family of olefin-based TPE compounds offering outstanding elastomeric performance in a lightweight and easy to process material. The EG 9000 Series of compounds feature unique high melt flow and shear thinning characteristics compared to conventional TPE materials for enhanced processability in injection molding applications. Information provided by PolyOne

Order this product through the following link:

http://www.lookpolymers.com/polymer_PolyOne-Elastamax-EG-9065-Thermoplastic-Elastomer-TPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.878 g/cc	0.878 g/cc	ASTM D792
Melt Flow	52 g/10 min @Load 2.16 kg, Temperature 190 °C	52 g/10 min @Load 4.76 lb, Temperature 374 °F	Procedure A; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	58	58	10 sec; ASTM D2240
	64	64	ASTM D2240
Tensile Strength at Break	2.96 MPa	429 psi	510 mm/min; ASTM D412A
Tensile Stress	2.24 MPa @Strain 100 %	325 psi @Strain 100 %	510 mm/min; ASTM D412A
	2.83 MPa @Strain 200 %	410 psi @Strain 200 %	510 mm/min; ASTM D412A
Elongation at Break	3.10 MPa @Strain 300 %	450 psi @Strain 300 %	510 mm/min; ASTM D412A
	420 %	420 %	510 mm/min; ASTM D412A
Tear Strength	23.6 kN/m	135 pli	Die C, 510 mm/min; ASTM D624

Descriptive Properties	Value	Comments
Features	General Purpose	
	High Flow	
Forms	Pellets	

Generic Material Descriptive Properties	TPE Value	Comments
Generic Name	Thermoplastic Elastomer (TPE)	
Processing Method	Injection Molding	
Regional Availability	Africa & Middle East	
	Asia Pacific	
	Europe	
	North America	
	South America	
Uses	Automotive Applications	
	Construction Applications	
	Consumer Applications	
	General Purpose	
	Industrial Applications	
	Medical/Healthcare Applications	

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