

## PolyOne Elastamax™ EG-9072 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-9072-Thermoplastic-Elastomer-TPE.php](http://www.lookpolymers.com/polymer_PolyOne-Elastamax-EG-9072-Thermoplastic-Elastomer-TPE.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.878 g/cc	0.878 g/cc	ASTM D792
Melt Flow	24 g/10 min @Load 5.00 kg, Temperature 190 °C	24 g/10 min @Load 11.0 lb, Temperature 374 °F	Procedure A; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	10 sec; ASTM D2240
	71	71	ASTM D2240
Tensile Strength at Break	3.59 MPa	521 psi	510 mm/min; ASTM D412A
Tensile Stress	2.62 MPa @Strain 100 %	380 psi @Strain 100 %	510 mm/min; ASTM D412A
	3.03 MPa @Strain 200 %	439 psi @Strain 200 %	510 mm/min; ASTM D412A
Elongation at Break	3.52 MPa @Strain 300 %	511 psi @Strain 300 %	510 mm/min; ASTM D412A
	450 %	450 %	510 mm/min; ASTM D412A
Tear Strength	26.3 kN/m	150 pli	Die C, 510 mm/min; ASTM D624

Descriptive Properties	Value	Comments
Features	General Purpose	
	High Flow	
	Low Density	

<b>Forms</b> Descriptive Properties	<b>Pellets</b> Value	Comments
Generic Material	TPE	
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	

## Contact Songhan Plastic Technology Co.,Ltd.

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