

**S&E Specialty Polymers TuffFill NH™ GTP08290-36 TPO**

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO)

**Material Notes:**

Application: A 105°C rated, Flexible, TPO based, Zero Halogen compound, exhibiting excellent processing characteristics with superior physical and low temperature properties. Information provided by S&E Specialty Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SE-Specialty-Polymers-TuffFill-NH-GTP08290-36-TPO.php](http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-TuffFill-NH-GTP08290-36-TPO.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.39 g/cc	1.39 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	92.0	92.0	ASTM D2240
Tensile Strength, Yield	13.8 MPa	2000 psi	ASTM D638
	12.4 MPa	1800 psi	
	@Treatment Temp. 136 °C, Time 605000 sec	@Treatment Temp. 277 °F, Time 168 hour	Aging
Elongation at Break	210 %	210 %	ASTM D638
	178.5 %	178.5 %	
	@Treatment Temp. 136 °C, Time 605000 sec	@Treatment Temp. 277 °F, Time 168 hour	Aging

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-55.0 °C	-67.0 °F	ASTM D746
Oxygen Index	>= 36.0 %	>= 36.0 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Volume Resistivity	4.30e+15 ohm-cm	4.30e+15 ohm-cm	ASTM D257

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