

S&E Specialty Polymers TuffFlex™ GTPE-2272SG-K8 TPE Compound

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Application: A flame retardant, matte finish, 90°C oil resistant, flexible TPE jacketing material. Information provided by S&E Specialty Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_SE-Specialty-Polymers-TuffFlex-GTPE-2272SG-K8-TPE-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 - 1.28 g/cc	1.22 - 1.28 g/cc	ASTM D792
Deformation	29.0 %	29.0 %	UL 1581
	@Load 2.00 kg, Temperature 150 °C	@Load 4.41 lb, Temperature 302 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65.0 - 71.0	65.0 - 71.0	ASTM D2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength	13.8 MPa	2000 psi	ASTM D412
	13.248 MPa	1921.5 psi	
Elongation at Break	@Temperature 100 °C, Time 346000 sec	@Temperature 212 °F, Time 96.0 hour	Oil Aged
	450 %	450 %	ASTM D412
	324 %	324 %	Oil Aged
	@Treatment Temp. 100 °C, Time 346000 sec	@Treatment Temp. 212 °F, Time 96.0 hour	

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-55.0 °C	-67.0 °F	ASTM D746
Oxygen Index	27.0 %	27.0 %	ASTM D2863

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