

S&E; Wire & Cable GTPE-2203G1

Thermoplastic Elastomer

S&E; Specialty Polymers, LLC

Message:

RoHS compliant, 105° C, flexible, oil resistant TPE jacketing material with extremely good low temperature properties.

General Information			
Features	Good Flexibility		
	Low Temperature Resistant		
	Oil Resistant		
Uses	Wire & Cable Applications		
RoHS Compliance	RoHS Compliant		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14 to 1.20	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	70		
Shore A, 3 sec	55 to 61		
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	4.14	MPa	ASTM D412
Tensile Strength (Yield)	11.8	MPa	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (136°C, 168 hr)	19	%	UL Unspecified
Change in Ultimate Elongation in Air (136°C, 168 hr)	-15	%	UL Unspecified
Change in Tensile Strength (60°C, 168 hr, in ASTM #2 Oil)	12	%	UL Unspecified
Change in Ultimate Elongation (60°C, 168 hr, in ASTM #2 Oil)	-14	%	UL Unspecified
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-53.0	°C	ASTM D746
Deformation - Change ¹ (150°C)	-37	%	UL Unspecified
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863
NOTE			
1.	1 hr		

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