

AuroraGuard™ GTPE-20026

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A105°C rated, UV resistant PVC jacketing material with good oil resistance properties and low temperature properties.

Note: Additional custom color matching is available upon request.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Flame Retardant	• Oil Resistant	
	• Low Temperature Toughness	• UV Resistant	
Uses	• Cable Jacketing		
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.31 to 1.37		ASTM D792
Melt Mass-Flow Rate (MFR)	15	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	2200	psi	ASTM D412
Tensile Elongation ² (Break)	450	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	70 to 76		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-45.4	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			UL Unspecified
212°F, 96 hr, in Oil	20	%	
277°F, 168 hr	45	%	
Change in Ultimate Elongation			UL Unspecified
212°F, 96 hr, in Oil	-15	%	
277°F, 168 hr	-32	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	ASTM D2863

Notes
¹ Typical properties: these are not to be construed as specifications.

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