

AuroraGuard™ GTPE-2272SGK8 Black

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A Flame Retardant PVC based jacketing compound that is 105°C rated, UV resistant, with excellent Oil and Low Temperature properties.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30 to 1.36		ASTM D792
Melt Mass-Flow Rate (MFR)	15	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	914	psi	ASTM D638
Tensile Strength	2100	psi	ASTM D412
Tensile Elongation (Break)	530	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	72 to 78		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-49.0	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			UL Unspecified
212°F, 96 hr, in Oil	0.0	%	
277°F, 168 hr	-7.0	%	
Change in Ultimate Elongation			UL Unspecified
212°F, 96 hr, in Oil	-30	%	
277°F, 168 hr	-18	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	ASTM D2863

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