

AuroraGuard™ GA-220811

Aurora Material Solutions, LLC - Chlorinated Polyethylene

General Information

Product Description

A 105°C , UV resistant, flame retardant, RoHS Compliant, CPE jacketing material with good low temperature properties.

Note: Additional custom color matching is available upon request.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.37 to 1.43		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	696	psi	ASTM D638
Tensile Strength (Break)	1800	psi	ASTM D412
Tensile Elongation (Break)	400	%	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	-47.2	°F	ASTM D746
Deformation - 2 kg (302°F)	149	°F	UL 2556
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			ASTM D412
212°F, 96 hr, in Oil	-10	%	
277°F, 168 hr	-15	%	
Change in Ultimate Elongation			ASTM D412
212°F, 96 hr, in Oil	-15	%	
277°F, 168 hr	-16	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	37	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	325	°F
Cylinder Zone 2 Temp.	330	°F
Cylinder Zone 3 Temp.	335	°F
Cylinder Zone 4 Temp.	340	°F
Melt Temperature	340	°F
Die Temperature	345 to 355	°F

