

AuroraGuard™ CPE 230517

Aurora Material Solutions, LLC - Chlorinated Polyethylene

General Information

Product Description

A 90°C, UV resistant, flame retardant CPE jacketing material with good low temperature properties.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• UV Resistant		
Uses	• Jacketing	• Wire & Cable Applications	
Appearance	• Colors Available		
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.35		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1300	psi	ASTM D638
Tensile Strength	2300	psi	ASTM D412
Tensile Elongation (Break)	350	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	88		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-22.0	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			UL Unspecified
212°F, 96 hr, in Oil	12	%	
277°F, 168 hr	6.0	%	
Change in Ultimate Elongation			UL Unspecified
212°F, 96 hr, in Oil	-19	%	
277°F, 168 hr	-16	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index ²	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.	335	°F
Melt Temperature	340	°F
Die Temperature	345 to 350	°F

Notes

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

² Value intended for reference only

