

AuroraGuard™ CPE 230920

Aurora Material Solutions, LLC - Chlorinated Polyethylene

General Information

Product Description

A 105°C , UV resistant CPE jacketing material.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin 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
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	8.0	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1000	psi	ASTM D638
Tensile Strength ²	2200	psi	ASTM D412
Tensile Elongation ² (Break)	500	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	81		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-68.8	°F	ASTM D746
Deformation - 2kg (302°F)	55	%	UL 2556
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			UL Unspecified
212°F, 96 hr, in Oil	11	%	
277°F, 168 hr	9.0	%	
Change in Ultimate Elongation			UL Unspecified
212°F, 96 hr, in Oil	-20	%	
277°F, 168 hr	-15	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index ³	36	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	310	°F
Cylinder Zone 2 Temp.	320	°F
Cylinder Zone 3 Temp.	325	°F
Cylinder Zone 4 Temp.	330	°F
Melt Temperature	320	°F
Die Temperature	335 to 340	°F

Notes

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

² Die C

³ Value is intended for reference only

