

AuroraFlex™ CPE230920H

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	• Wire & Cable Applications	
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available		
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.38 to 1.41		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	7.0	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	972	psi	ASTM D638
Tensile Strength ²	2000	psi	ASTM D412
Tensile Elongation ² (Break)	500	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	75 to 79		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-74.2	°F	ASTM D746
Deformation - 2kg (250°F)	10	%	UL 2556
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			UL Unspecified
212°F, 96 hr, in Oil	-15	%	
277°F, 168 hr	15	%	
Change in Ultimate Elongation			UL Unspecified
212°F, 96 hr, in Oil	-14	%	
277°F, 168 hr	-20	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	32	%	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

