

AuroraGuard™ CPE 6000EM3

Aurora Material Solutions, LLC - Chlorinated Polyethylene

General Information

Product Description

A 90°C, flame retardant CPE based jacketing material for exposed robotic wiring in chemical environments.

General

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

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30		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)	1250	psi	ASTM D638
Tensile Strength ²	1800	psi	ASTM D412
Tensile Elongation ² (Break)	750	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	86		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ³	-67.0	°F	ASTM D746
Deformation - 2kg (250°F)	22	%	UL 2556
Temperature Rating	194	°F	UL 1581
Flammability	Nominal Value	Unit	Test Method
Oxygen Index ⁴ (0.125 in)	31	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	310	°F
Cylinder Zone 2 Temp.	320	°F
Cylinder Zone 3 Temp.	330	°F
Cylinder Zone 4 Temp.	340	°F
Melt Temperature	340	°F
Die Temperature	345 to 350	°F

Notes

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

² Die C

³ 75mil

⁴ Value intended for reference only

