

AuroraGuard™ CPE 14031

Aurora Material Solutions, LLC - Chlorinated Polyethylene

General Information

Product Description

A 90°C, flame retardant, E-Beam curable, CPE based oil resistant jacketing material with good low temperature properties.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• E-beam Sterilizable	• Oil 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 Strength ^{2, 3}	2400	psi	ASTM D412
Tensile Elongation ^{2, 3} (Break)	450	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness ³ (Shore A, 15 sec)	71		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ³	-58.0	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength ³ (250°F, 24 hr, in IRM 902 Oil)	-17	%	UL 1581
Change in Ultimate Elongation ³ (250°F, 24 hr, in IRM 902 Oil)	-8.0	%	UL 1581
Flammability	Nominal Value	Unit	Test Method
Oxygen Index ⁴ (0.125 in)	33	%	ASTM D2863

Notes

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

² Die C

³ Crosslinked with 6 Mrad Irradiation

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Value is intended as reference only

