

AuroraGuard™ CPVC800H

Aurora Material Solutions, LLC - Chlorinated Polyvinyl Chloride

General Information

Product Description

A RoHS compliant, lead-free, low smoke generating, highly flame-retardant jacketing compound designed for Plenum cable applications. The compound exhibits excellent processability and electrical properties. CPVC-800H is AOM free alloy.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Excellent Processability	• Good Electrical Properties	• Low Smoke Emission
	• Flame Retardant	• Low (to None) Lead Content	
Uses	• Electronic Insulation	• Jacketing	
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available		
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.47 to 1.53		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	4060	psi	ASTM D412
Tensile Elongation (Break)	50	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D	60 to 66		
Shore D, Instant	66 to 71		
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (73°F, 1 MHz)	3.75 to 3.90		ASTM D150
Dissipation Factor (73°F, 1 MHz)	0.030 to 0.033		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	48	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	325	°F
Cylinder Zone 2 Temp.	331	°F
Cylinder Zone 3 Temp.	334	°F
Cylinder Zone 4 Temp.	334	°F
Melt Temperature	334	°F
Die Temperature	340 to 351	°F

Notes

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

