

AuroraGuard™ 5062R1-83

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A 75°C , flame retardant, RoHS Compliant, PVC jacketing material with good low temperature properties.

Note: Additional custom color matching is available upon request. Preliminary data.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Additive	• Flame Retardant
Features	• Flame Retardant • Low Temperature Toughness
Uses	• Cable Jacketing
RoHS Compliance	• RoHS Compliant
Appearance	• Colors Available

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	2610	psi	ASTM D412
Tensile Elongation (Break)	250	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	85 to 91		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-25.6	°F	ASTM D746
Temperature Rating	167	°F	UL 1581
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	40	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	300	°F
Cylinder Zone 2 Temp.	310	°F
Cylinder Zone 3 Temp.	325	°F
Cylinder Zone 4 Temp.	340	°F
Melt Temperature	345	°F
Die Temperature	350 to 360	°F

