

AuroraGuard™ GTPE-2272-6500CH

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A 105°C , UV resistant, flame retardant, RoHS Compliant, PVC 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 • Europe • North America • Asia Pacific • Latin America
Additive	• Flame Retardant
Features	• Flame Retardant • Low Temperature Resistant • UV Resistant
Uses	• Cable Jacketing • Wire & Cable Applications • Wire Jacketing
RoHS Compliance	• RoHS Compliant
Appearance	• Colors Available
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.32 to 1.38		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	957	psi	ASTM D638
Tensile Strength	1800	psi	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	75 to 81		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-74.2	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			UL Unspecified
212°F, 96 hr, in Oil	-15	%	
277°F, 168 hr	-10	%	
Change in Ultimate Elongation			UL Unspecified
212°F, 96 hr, in Oil	-20	%	
277°F, 168 hr	-15	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	33	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	190	°F
Drying Time	4.0	hr
Cylinder Zone 1 Temp.	325	°F
Cylinder Zone 2 Temp.	330	°F
Cylinder Zone 3 Temp.	335	°F
Cylinder Zone 4 Temp.	340	°F
Melt Temperature	325	°F
Die Temperature	340 to 345	°F

