

AuroraFlex™ GTPE2020-LS

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information

Product Description

A 90°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 • Asia Pacific • Latin America • North America
Additive	• Flame Retardant
Features	• Flame Retardant • Low Temperature Toughness
Uses	• Jacketing
RoHS Compliance	• RoHS Compliant
Appearance	• Colors Available

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.42 to 1.48		ASTM D792
Melt Mass-Flow Rate (MFR) (175°C/21.6 kg)	6.0	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	2100	psi	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	45 to 51		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-20.2	°F	ASTM D746
Deformation - 2kg (302°F)	15	%	UL 2556
Temperature Rating	194	°F	UL 1581
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength			
158°F, 4 hr, in IRM 902 Oil	-17	%	
250°F, 168 hr	-10	%	
Change in Ultimate Elongation			
158°F, 4 hr, in IRM 902 Oil	-33	%	
250°F, 168 hr	-15	%	
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.	320	°F
Cylinder Zone 4 Temp.	330	°F
Melt Temperature	345	°F
Die Temperature	340 to 350	°F

