

AuroraFlex™ GA-1042

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

T, TW, MTW, THW 60°C oil; AWM; TR-32. 105°C Insulation extrusion and molding compound. Recognized under UL QMFZ8 for V0 rating.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Uses	• Insulation
Processing Method	• Extrusion • Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.34 to 1.40		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1800	psi	ASTM D412
Tensile Strength	2700	psi	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	87 to 93		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-0.400	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (277°F, 168 hr)	10	%	UL Unspecified
Change in Ultimate Elongation (277°F, 168 hr)	-7.0	%	UL Unspecified
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Oxygen Index	26	%	ASTM D2863

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	360 to 379	°F

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