

GEON® Flex W3400L

GEON Performance Solutions - Flexible Polyvinyl Chloride

Monday, June 17, 2024

General Information

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant		
Uses	• Flexible Cord Jacketing	• Wire & Cable Applications	
Wire Types	• SJT	• SPT	• SVT
Agency Ratings	• UL 94 V-0		
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

ASTM & ISO Properties ¹

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.39	1.39	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ² (Yield)	2200 psi	15.2 MPa	ASTM D638
Tensile Elongation ² (Break)	300 %	300 %	ASTM D638
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore A, 15 sec)	77	77	ASTM D2240
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Brittleness Temperature	-32.8 °F	-36.0 °C	ASTM D746
UL Temperature Rating	167 °F	75 °C	
Aging	Nominal Value (English)	Nominal Value (SI)	
Retention of Tensile Elongation ³ 212°F (100°C), 35.0 mil (889.0 µm)	90 %	90 %	
Retention of Tensile Strength ³ 212°F (100°C), 35.0 mil (889.0 µm)	100 %	100 %	
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.06 in (1.5 mm), BK	V-0	V-0	
0.06 in (1.5 mm), WT	V-0	V-0	
0.06 in (1.5 mm), YL	V-0	V-0	
0.07 in (1.9 mm), ALL	V-0	V-0	
Oxygen Index (0.125 in (3.18 mm))	27 %	27 %	ASTM D2863

Additional Information

NOTE: Typical Properties of Molded Slab (0.075"); Not to be Construed as Specifications.

Provisional Product Information - Physical and Mechanical properties based on initial production.

Processing Information

Extrusion	Nominal Value (English)	Nominal Value (SI)
Melt Temperature	360 to 370 °F	182 to 188 °C

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Notes

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

² Type IV, 20 in/min (510 mm/min)

³ 240 hr, UL Standard

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