

GEON® Flex W8800L

GEON Performance Solutions - Flexible Polyvinyl Chloride

Tuesday, June 18, 2024

General Information

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Flame Retardant	• Low Plasticizer Migration	
Uses	• Communication Wire Insulation	• Communication Wire Jacketing	• Wire & Cable Applications
RoHS Compliance	• RoHS Compliant		
Forms	• Pellets		
Processing Method	• Extrusion Coating		

ASTM & ISO Properties ¹

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.36	1.36	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus ²	1800 psi	12.4 MPa	ASTM D638
Tensile Strength ² (Yield)	2600 psi	17.9 MPa	ASTM D638
Tensile Elongation ² (Break)	280 %	280 %	ASTM D638
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness			ASTM D2240
Shore D	53	53	
Shore D, 15 sec	36	36	
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Brittleness Temperature	5.00 °F	-15.0 °C	ASTM D746
UL Temperature Rating	221 °F	105 °C	
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Volume Resistivity	9.0E+14 ohms·cm	9.0E+14 ohms·cm	ASTM D257
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Oxygen Index (0.125 in (3.18 mm))	32 %	32 %	ASTM D2863

Additional Information

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

Notes

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

² Type IV, 20 in/min (510 mm/min)