

Manner Flexible PVC V826

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Recommended Applications: Lead-free 105°C semi-rigid insulation compound for UL1061, CSA-SR and MIL-W-16878 style applications. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Good Flexibility • Semi Rigid
Agency Ratings	• MIL W-16878
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Extrusion

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.29 to 1.33		ASTM D792
Elastomers			
Tensile Stress (100% Strain, 0.0300 in)	2780	psi	ASTM D412
Tensile Strength (Yield, 0.0300 in)	3540	psi	ASTM D638
Tensile Elongation (Break, 0.0300 in)	240	%	ASTM D638
Hardness			
Durometer Hardness (Shore C)	88 to 94		ASTM D2240
Thermal			
Brittleness Temperature	23.0	°F	ASTM D746
Aging			
Change in Tensile Strength in Air (136°F, 168 hr)	-9.0	%	UL 1581
Change in Ultimate Elongation in Air (277°F, 168 hr)	-7.0	%	UL 1581
Flammability			
Oxygen Index	28	%	ASTM D2863

Notes

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

