

Manner Flexible PVC M1278

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Recommended Applications: Lead-free extrusion and injection molding compound. Suitable for 60°C wire and cable plug and termination over-molding. Manner M1278 is UL recognized under QMFZ8 and QMFZ2. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Low (to None) Lead Content
Uses	• Wire & Cable Applications
Agency Ratings	• UL QMFZ2 • UL QMFZ8
Processing Method	• Extrusion • Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.38 to 1.42		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant ²	883	psi	ASTM D638
Tensile Strength ²	1500	psi	ASTM D638
Tensile Elongation ² (Break)	330	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	76 to 80		
Shore A, 15 sec	70 to 74		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-18.4	°F	ASTM D746

Notes

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

² Unaged Dumbbells: .06 inches

