

Manner Flexible PVC X4780

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

FDA (food grade) transparent compound suitable for tubing, profile extrusion and certain injection molding applications. All ingredients in this compound are approved for food contact by the FDA. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Food Contact Acceptable
Uses	• Profiles • Tubing
Agency Ratings	• FDA Food Contact
RoHS Compliance	• RoHS Compliant
Appearance	• Clear/Transparent
Processing Method	• Extrusion • Injection Molding • Profile Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.19 to 1.23		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
0.0600 in	2550	psi	
100% Strain, 0.0600 in	1030	psi	
Tensile Elongation (Break, 0.0600 in)	410	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	80		
Shore A, 15 sec	74		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-29.2	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (230°F, 168 hr)	1.0	%	ASTM D573
Change in Ultimate Elongation in Air (230°F, 168 hr)	5.0	%	ASTM D573

Notes

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

