

## Manner Flexible PVC M1590

Manner Polymers - Flexible Polyvinyl Chloride

### General Information

#### Product Description

Recommended Applications: Lead-free general purpose injection molding compound. Manner M1590 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
Uses	• Consumer Applications      • Electrical/Electronic Applications      • Footwear
Agency Ratings	• UL 94      • UL QMFZ2      • UL QMFZ8
RoHS Compliance	• RoHS Compliant
Forms	• Pellets
Processing Method	• Injection Molding

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.45 to 1.49		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain, 0.0600 in)	2480	psi	ASTM D638
Tensile Strength (Yield, 0.0600 in)	2640	psi	ASTM D638
Tensile Elongation (Break, 0.0600 in)	190	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore C	87 to 93		
Shore C, 10 sec	78 to 84		
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	28	%	ASTM D2863

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

