

## Manner Flexible PVC X5090

Manner Polymers - Flexible Polyvinyl Chloride

### General Information

#### Product Description

For the extruded profile, tubing applications, and for injection molding applications Manner Plastics has developed a broad line of Non Phthalate/ROHS compliant products with low, medium, and high specific gravity and varying hardness. A general purpose transparent offering shows excellent clarity.

The table below shows some of our most popular compounds, but is not a comprehensive view of the Manner Plastics product portfolio. If you do not see a compound offering the performance your application requires, please contact us. We may already have a custom formulation that meets your needs.

#### General

Material Status	• Commercial: Active
Availability	• North America
Features	• Good Flexibility
Uses	• Profiles • Tubing
RoHS Compliance	• RoHS Compliant
Appearance	• Clear/Transparent
Forms	• Pellets
Processing Method	• Injection Molding • Profile Extrusion

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.43		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1700	psi	ASTM D638
Tensile Strength (Yield)	2400	psi	ASTM D638
Tensile Elongation (Break)	260	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	90		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-18.4	°F	ASTM D746

### Notes

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

