

**Technical Data Sheet**  
**INVISION™ VX 5090**  
 Thermoplastic Vulcanizate  
 Engineering Plastics



**Product Description**

TPV Partially Crosslinked EPDM Rubber

**General**

Processing Method • Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.900 g/cm <sup>3</sup>	0.900 g/cm <sup>3</sup>	ISO 1183/A
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (100% Strain, 73°F (23°C))	1220 psi	8.40 MPa	ISO 527-2/1A/500
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tear Strength <sup>1</sup> (73°F (23°C))	300 lbf/in	52 kN/m	ISO 34-1
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness			ISO 868
Shore A, 15 sec, 73°F (23°C)	90	90	
Fill Analysis	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Viscosity (392°F (200°C), 243 sec <sup>-1</sup> )	120 Pa·s	120 Pa·s	ASTM D3835

**Notes**

<sup>1</sup> Method Ba, Angle (Unnicked), 20 in/min (500 mm/min)

**Notes**

These are typical property values not to be construed as specification limits.