

Technical Data Sheet

Invision VX 5090UI

Thermoplastic Vulcanizate

LyondellBasell Industries

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 ³	0.900 g/cm ³	ISO 1183/A
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (100% Strain, 73°F (23°C))	899 psi	6.20 MPa	ISO 527-2/1A/500
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	1310 psi	9.00 MPa	ASTM D412
Tensile Elongation (Break)	> 500 %	> 500 %	ASTM D412
Tear Strength ¹ (73°F (23°C))	297 lbf/in	52.0 kN/m	ISO 34-1
Compression Set (73°F (23°C), 22 Hr)	37 %	37 %	ASTM D395B
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 ⁻¹)	120 Pa·s	120 Pa·s	ASTM D3835

Notes

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

Notes

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