

Technical Data Sheet

Invision VX 5085UI EP

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	0.890 g/cm ³	0.890 g/cm ³	ISO 1183
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (100% Strain)	1040 psi	7.20 MPa	ISO 527-2/500
Tensile Strain (Break, 73°F (23°C))	500 %	500 %	ISO 527-2/1A/500
Elastomers	Nominal Value (English)	Nominal Value (SI)	Test Method
Tear Strength ¹	263 lbf/in	46.0 kN/m	ISO 34-1
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness (Shore A, 15 Sec)	85	85	ISO 868
Fill Analysis	Nominal Value (English)	Nominal Value (SI)	Test Method
Melt Viscosity (392°F (200°C), 243 Sec ⁻¹)	135 Pa·s	135 Pa·s	ASTM D3835

Notes

¹ 20 in/min (500 mm/min)

Notes

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