

## 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 <sup>3</sup> | 0.890 g/cm <sup>3</sup> | 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 <sup>1</sup>                             | 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 <sup>-1</sup> ) | 135 Pa·s                | 135 Pa·s                | ASTM D3835       |

### Notes

<sup>1</sup> 20 in/min (500 mm/min)

### Notes

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