

# Invision VX 5075UI

Thermoplastic Vulcanizate

LyondellBasell Industries

Engineering Plastics

## Product Description

TPV Partially Crosslinked EPDM Rubber

## General

|                           |                      |                  |
|---------------------------|----------------------|------------------|
| Automotive Specifications | • FORD WSS-M2D510-A7 | • GM GMP.E/P.118 |
| Processing Method         | • Injection Molding  |                  |

| Physical                                               | Nominal Value (English) | Nominal Value (SI)      | Test Method   |
|--------------------------------------------------------|-------------------------|-------------------------|---------------|
| Density                                                | 0.880 g/cm <sup>3</sup> | 0.880 g/cm <sup>3</sup> | ISO 1183      |
| Mechanical                                             | Nominal Value (English) | Nominal Value (SI)      | Test Method   |
| Tensile Stress (100% Strain)                           | 827 psi                 | 5.70 MPa                | ISO 527-2/500 |
| Elastomers                                             | Nominal Value (English) | Nominal Value (SI)      | Test Method   |
| Tear Strength <sup>1</sup>                             | 200 lbf/in              | 35.0 kN/m               | ISO 34-1      |
| Compression Set                                        |                         |                         | ASTM D395     |
| 73°F (23°C), 22 Hr                                     | 6.6 %                   | 6.6 %                   |               |
| 158°F (70°C), 22 Hr                                    | 40 %                    | 40 %                    |               |
| Hardness                                               | Nominal Value (English) | Nominal Value (SI)      | Test Method   |
| Shore Hardness (Shore A, 15 Sec)                       | 75                      | 75                      | ISO 868       |
| Fill Analysis                                          | Nominal Value (English) | Nominal Value (SI)      | Test Method   |
| Melt Viscosity (392°F (200°C), 243 Sec <sup>-1</sup> ) | 148 Pa·s                | 148 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.

