

**Technical Data Sheet**

***Invision VX 5090UI - 3463 BLK***



Thermoplastic Vulcanizate

**Product Description**

TPV Partially Crosslinked EPDM Rubber

**Processing Method**          Injection Molding

| <b>Typical Properties</b>                                       | <b>Nominal Value</b> | <b>Units</b>      | <b>Test Method</b> |
|-----------------------------------------------------------------|----------------------|-------------------|--------------------|
| <b>Physical</b>                                                 |                      |                   |                    |
| Density, (Method A)                                             | 0.900                | g/cm <sup>3</sup> | ISO 1183           |
| Melt Viscosity, (200 °C, 243 sec <sup>-1</sup> )                | 120                  | Pa-s              | ASTM D3835         |
| <b>Mechanical</b>                                               |                      |                   |                    |
| Tensile Stress, (100%, 23 °C, 500 mm/min, Type 1A)              | 8.40                 | MPa               | ISO 527-2          |
| Tensile Modulus, (500 mm/min, Type 1A)                          | 5.60                 | MPa               | ISO 527-1          |
| Tear Strength, (23 °C, Method Ba, Angle (Unnicked), 500 mm/min) | 52.0                 | kN/m              | ISO 34-1           |
| <b>Hardness</b>                                                 |                      |                   |                    |
| Shore Hardness, (Shore A, 15 sec, 23 °C)                        | 90                   |                   | ISO 868            |