

## **ASTM Test Physical Property** Units Value Method D638 MPa 52 Tensile strength 23°C psi 7542 Tensile strength -40°C D638 MPa psi D638 13 Elongation at 23°C % Elongation at break D638 % 240 Shore D Hardness D785 Rockwell R Flexural strength D790 MPa psi Deformation under load 140Kgf/cm<sup>2</sup> D621 % at 23°C for 24 hours D256 J/M Charpy impact strength at 23°C ftlbs/inch D256 J/M Charpy impact strength at -40°C ftlbs/inch Modulus of elasticity D638 MPa 1800 psi 259533 D695 MPa Compressive strength psi Compressive yield strength D695 MPa psi Linear thermal expansion coefficient E831 mm/mm/°C 1 x 10⁻₄ 30-100°C D3418 °C 175 Melt point D648 264 psi 50 Heat distortion temperature °C 66 psi 140 Service temperature (short term) D570 °C 140 Service temperature (long term) D570 °C 80 **Dielectric strength** D149 Kv/mm 33 Specific gravity D792 g/cm<sup>2</sup> 1.03 Water absorption 24 hrs D570 % 1 D570 Water absorption saturation % 1.6 UL 94 Flammability Burn rate V2

1. The test figures stated are typical values and their aim is to assist the specifier in material selection. They are not intended to represent exact specifications.

2. ~denotes no data available at the time of publication. Please contact Devol for further information.

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