

**GADEL 2200**

PAEK

Gharda Plastics Limited

| <b>Processing/Physical Characteristics</b> | <b>Value</b> | <b>Unit</b>          | <b>Test Standard</b> |
|--|--------------|----------------------|----------------------|
| <b>ASTM Data</b>                           |              |                      |                      |
| Mold Shrinkage, MD                         | <b>0.011</b> | mm/mm                | ASTM D 955           |
| Mold Shrinkage, TD                         | <b>0.012</b> | mm/mm                | ASTM D 955           |
| <b>Mechanical properties</b>               |              |                      |                      |
| <b>ASTM Data</b>                           | <b>Value</b> | <b>Unit</b>          | <b>Test Standard</b> |
| Tensile Modulus                            | <b>4800</b>  | MPa                  | ASTM D 638           |
| Tensile Strength                           | <b>98</b>    | MPa                  | ASTM D 638           |
| Elongation at Break                        | <b>4</b>     | %                    | ASTM D 638           |
| Flexural Modulus                           | <b>4700</b>  | MPa                  | ASTM D 790           |
| Flexural Strength                          | <b>180</b>   | MPa                  | ASTM D 790           |
| Shore D Hardness                           | <b>90</b>    | -                    | ASTM D 2240          |
| Izod Impact notched, 1/8 in                | <b>30</b>    | J/m                  | ASTM D 256           |
| Izod Impact unnotched, 1/8 in              | <b>N</b>     | J/m                  | ASTM D 256           |
| <b>Thermal properties</b>                  |              |                      |                      |
| <b>ASTM Data</b>                           | <b>Value</b> | <b>Unit</b>          | <b>Test Standard</b> |
| DTUL @ 264 psi                             | <b>180</b>   | °C                   | ASTM D 648           |
| Melting Temperature                        | <b>385</b>   | °C                   | ASTM D 3418          |
| Glass Transition Temperature               | <b>167</b>   | °C                   | ASTM E 1356          |
| <b>Other properties</b>                    |              |                      |                      |
| <b>Value</b>                               | <b>Unit</b>  | <b>Test Standard</b> |                      |
| Density                                    | <b>1310</b>  | kg/m <sup>3</sup>    | ASTM D 792           |

**Characteristics****Special Characteristics**

Heat stabilized or stable to heat

**Chemical Resistance**

General Chemical Resistance, Oil Resistance, Radiation Resistance

**Applications**

Aircraft and Aerospace, Automotive, Chemical Process, Electrical and Electronical

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa