

**DURANEX® 522HR**

PBT-GF20

Polyplastics

| <b>Mechanical properties</b>          | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|---------------------------------------|--------------|-------------------|----------------------|
| <b>ISO Data</b>                       |              |                   |                      |
| Tensile Strength                      | <b>98</b>    | MPa               | ISO 527              |
| Strain at break                       | <b>4</b>     | %                 | ISO 527              |
| Flexural modulus, 23°C                | <b>5200</b>  | MPa               | ISO 178              |
| Flexural strength                     | <b>145</b>   | MPa               | ISO 178              |
| Charpy notched impact strength, +23°C | <b>13.5</b>  | kJ/m <sup>2</sup> | ISO 179/1eA          |

| <b>Thermal properties</b>                   | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---|--------------|-------------|----------------------|
| <b>ISO Data</b>                             |              |             |                      |
| Temp. of deflection under load, 1.80 MPa    | <b>200</b>   | °C          | ISO 75-1/-2          |
| Coeff. of linear therm. expansion, parallel | <b>30</b>    | E-6/K       | ISO 11359-1/-2       |
| Coeff. of linear therm. expansion, normal   | <b>90</b>    | E-6/K       | ISO 11359-1/-2       |
| Burning behav. at thickness h               | <b>HB</b>    | class       | IEC 60695-11-10      |
| Yellow Card available                       | <b>yes</b>   | -           | -                    |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>1390</b>  | kg/m <sup>3</sup> | ISO 1183             |

**Characteristics****Chemical Resistance**

Hydrolytically Stable

**Regional Availability**

Asia Pacific