



Enform® 090 GF25

Enform® 090 GF25 is reinforced with 25% glass fiber. Offers stiffness and heat distortion temperature with lower mold shrinkage, minimum thermal expansion and good moldability

| Properties | Test method | Unit | Value |
|--|-----------------|-------------------|-------|
| Density | ISO 1183 | kg/m ³ | 1580 |
| Molding shrinkage, parallel | ISO 294-4, 2577 | % | 0.4 |
| Molding shrinkage, normal | ISO 294-4, 2577 | % | 1.2 |
| Water absorption, 23°C-sat | ISO 62 | % | 0.8 |
| Humidity absorption, 23°C/50%RH | ISO 62 | % | 0.2 |
| Tensile modulus | ISO 527-2/1A | MPa | 8600 |
| Tensile stress at break, 5mm/min | ISO 527-2/1A | MPa | 106 |
| Tensile strain at break, 5mm/min | ISO 527-2/1A | % | 2 |
| Flexural modulus, 23°C | ISO 178 | MPa | 8700 |
| Flexural strength, 23°C | ISO 178 | MPa | 160 |
| Flexural stress, 23°C | ISO 178 | MPa | 155 |
| Charpy impact strength, 23°C | ISO 179/1eU | kJ/m ² | 25 |
| Charpy impact strength, -30°C | ISO 179/1eU | kJ/m ² | 35 |
| Charpy notched impact strength, 23°C | ISO 179/1eA | kJ/m ² | 6.4 |
| Izod impact notched, 23°C | ISO 180/1A | kJ/m ² | 6 |
| Melting temperature, 10°C/min | ISO 11357-1/-3 | °C | 165 |
| DTUL at 1.8 MPa | ISO 75-1, -2 | °C | 160 |
| Vicat softening temperature, 50°C/h 50N | ISO 306 | °C | 161 |
| Coeff. Of linear therm expansion, parallel | ISO 11359-2 | E-4/°C | 0.25 |
| Coeff. Of linear therm expansion, normal | ISO 11359-2 | E-4/°C | 1.2 |