

## TECHNICAL DATA SHEET

### Enform® 090 GF10

Enform® 090 GF10 is reinforced with 10% 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 <sup>3</sup>	1460
Molding shrinkage, parallel	ISO 294-4, 2577	%	0.9
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	4500
Tensile stress at break, 5mm/min	ISO 527-2/1A	MPa	75
Tensile strain at break, 5mm/min	ISO 527-2/1A	%	3
Flexural modulus, 23°C	ISO 178	MPa	4250
Flexural stress at 3.5% strain	ISO 178	MPa	115
Charpy impact strength, 23°C	ISO 179/1eU	kJ/m <sup>2</sup>	30
Charpy impact strength, -30°C	ISO 179/1eU	kJ/m <sup>2</sup>	45
Charpy notched impact strength, 23°C	ISO 179/1eA	kJ/m <sup>2</sup>	4.5
Izod impact notched, 23°C	ISO 180/1A	kJ/m <sup>2</sup>	4.8
Melting temperature, 10°C/min	ISO 11357-1/-3	°C	166
DTUL at 1.8 MPa	ISO 75-1, -2	°C	155
Vicat softening temperature, 50°C/h 50N	ISO 306	°C	161
Coeff. Of linear therm expansion, parallel	ISO 11359-2	E-4/°C	0.53
Coeff. Of linear therm expansion, normal	ISO 11359-2	E-4/°C	1.2