

TECHNICAL DATA SHEET

Enform® 500H

Enform® 500H have good chemical resistance to solvents, fuel and strong alkalis, as well as good hydrolysis resistance; high resistance to thermal and oxidative degradation.

Properties	Test method	Unit	Value
Density	ISO 1183	kg/m ³	1410
Melt volume rate(190°C/2,16kg)	ISO 1133	cm ³ /10 min	12
Mold shrinkage - parallel	ISO 294-4	%	2
Mold shrinkage - normal	ISO 294-4	%	1.8
Water absorption (23°C-sat)	ISO 62	%	0.65
Tensile modulus (1mm/min)	ISO 527-2/1A	MPa	3050
Tensile stress at yield (50mm/min)	ISO 527-2/1A	MPa	68
Tensile strain at yield (50mm/min)	ISO 527-2/1A	%	8
Nominal strain at break (50mm/min)	ISO 527-2/1A	%	20
Tensile creep modulus (1h)	ISO 899-1	MPa	2750
Tensile creep modulus (1000h)	ISO 899-1	MPa	1450
Flexural modulus (23°C)	ISO 178	MPa	3000
Charpy impact strength @ 23°C	ISO 179/1eU	kJ/m ²	120
Charpy impact strength @ -30°C	ISO 179/1eU	kJ/m ²	120
Charpy notched impact strength @ 23°C	ISO 179/1eA	kJ/m ²	6.7
Charpy notched impact strength (@ -30°C	ISO 179/1eA	kJ/m ²	6
Melting temperature (10°C/min)	ISO 11357-1,-2,-3	°C	170
DTUL @ 1.8 MPa	ISO 75-1/-2	°C	107
Coeff. Of linear therm. Expansion (parallel)	ISO 11359-2	E-4/°C	1.1