

Product: iglidur[®] I180-PF

11.09.2014

General Properties:

density:	1.21 g/cm ³
colour:	white
saturation with moisture absorption at 23°C / 50% r. h.:	0.3 weight %
saturation with water:	0.9 weight %

Mechanical Properties:³⁾

flexural modulus:	1000 MPa
flexural strength:	44 MPa
max. permissible surface pressure at 20 °C:	not tested
Shore D hardness:	66

Thermal Properties:

highest long term service temperature ¹⁾ :	80°C
highest short term service temperature ^{1), 2)} :	90°C
highest short term ambient temperature ^{1), 2)} :	105°C
lowest service temperature:	-40°C

Electrical Properties:³⁾

specific volume resistivity:	>10 ¹² Ωcm
surface resistivity:	>10 ¹¹ Ω

¹⁾ relaxation possible

²⁾ without additional load; no movement

³⁾ Depends on the printing parameters