

Graflux 2 sheet – technical information

Properties	Test Method			Value
	ISO	ASTM	DIN	
Physical properties				
Density, kg/m ³	1183B	D-792-B	53479-B	1050
Bulk density, kg/m ³	60	D-1895	53468	650
Melt flow rate (230°C/3.8 kg), g/10 min. (220°C/10 kg), g/ 10 min.	1133 1133	D-1238 D-1238	53735-N 53735-U	1,6
Thermal properties				
Vicat softening point (50° C/h, 5 kg) °C	306B	D-1525-A	53460	103
Vicat softening point (120°C/h, 1 kg), °C	306A	D-1525-B		114
HDT, annealed (120°C/hr, 1.82 MPa), °C	75/A	D-648	53461-A	105
Mechanical properties				
Charpy notched, kJ/m ² 23°C 0°C -20°C -40°C	179/2C 179/2C 179/2C 179/2C		53453 53453 53453 53453	14 12 8 7
Charpy unnotched, kJ/m ² 23°C -40°C	179/2C 179/2C		53453 53453	no break no break
Izod notched, kJ/m ² 23°C	180/1A			24
Tensile yield, 100 mm/min., MPa	DIS527/D	D-638-M	53455-6-3	42
Tensile elongation, %	DIS527/D	D-638-M	53455-6-3	55
Tensile modulus, 1 mm/min., MPa	DIS527/A		53455-t-3	2100
Flexural strength, 1 mm/min., Mpa	178	D-790-M	53452	61
Flexural modulus, 3 point, MPa	178	D-790-M-A	53457-B3	2000
Flexural modulus, 4 point, MPa		D-790-M-B	53457-B4	2200
Shear modulus, MPa 23°C	537	D-4065	53445	870
Rockwell hardness, R-scale	2039/2	D-785B		82
Ball indentation	2039	53456		92