



### technical specifications

Density	1.35	g/cm <sup>3</sup>	DIN 53 479
Yield tensile strength		Mpa	
Elongation at yield		%	
Tensile strength at break	140/110	MPa	DIN EN ISO 527
Elongation at break	2.5/5	%	DIN EN ISO 527
Modulus of elasticity in tension	8500 / 6000	MPa	DIN EN ISO 527
Modulus of elasticity after flexur test		MPa	
Hardness	147		ISO 2039/1
Impact strength 23° e (Charpy)	55	KJ/m <sup>2</sup>	DIN EN ISO 179
Crystalline melting point		°C	
Glass transition temperature	60/5	°C	DIN 53 765
Heat distortion temperature HDT, Method A	210	°C	ISO-A 75 (DIN 53 461)
Heat distortion temperature HDT, Method 8	220	°C	ISO-R 75 (DIN 53 461)
Service temperature			
short term	180	°C	
long term	100	°C	
Thermal conductivity (23° C)	0.28	W/(K·m)	
Specific heat (23° C)	1.5	J/g.K	
Coefficient of thermal expansion (23-552C)	2-3	10 <sup>-5</sup> 1/K	
Specific volume resistance	9*10 <sup>13</sup>	Ω*cm	DIN IEC 60093
Surface resistance	5*10 <sup>13</sup>	Ω	DIN IEC 60093
Dielectric strength		kV/mm	
Moisture absorption (23°C/50RH)	2.1	%	DIN EN ISO 62
Water absorption to equilibrium	6.6	%	DIN EN ISO 62
Flammability acc. to UL standard 94	HB		
Time yield limit			
for 1 % elongation after 1000 h	21-35	MPa	
Co-efficient of friction			
p = 0,05 N/mm <sup>2</sup> v=0,6 m/s on steel, hardened and ground Thermal	0.46-0.52		