

PEKK Technical Data Sheet(TDS)

Mechanical Properties	Conditions	Methods	Value
Tensile Strength	23 °C/50% rh	ISO 527	90 Mpa
Tensile Elongation	23 °C/50% rh	ISO 527	5%
Flexural Strength	23 °C/50% rh	ISO 527	150MPa
Flexural Modulus	23 °C/50% rh	ISO 178	3GPa
Compressive Strength	23 °C/50% rh	ISO 178	2.5GPa
Charpy Impact Strength	23 °C/50% rh	ISO 178	6%
Izod Impact Strength	23 °C/50% rh	ISO 179 1eU	NB

Thermal Data

Continuous Service Temp.	23 °C/50% rh	IEC 60216	255°C
Service Temperature	During lifetime max. 200h		300°C

Physical Data

Specific Gravity		ISO 1183-2	1.27gcm ⁻³
Water Absorption	23°C/24h	ISO 62	<0.1%
Melt Volume Rate	MVR 380°C/2,16 kg	ISO 1133	20cm ³ /10 min
Linear Mould Shrinkage		DIN 16742	1,0-1.6%
Flammability Behavior		UL 94	(V-0)

Updated on November 11, 2022