



## SAL DS-PBT GF30%

TYPICAL PROPERTIES OF PCTFE		
UL-test	Property	PBT
<b>PHYSICAL</b>		
	Density (g/cm <sup>3</sup> )	1.46
DIN EN ISO 62	Water Absorption, 24 hrs (%)	0.02
<b>MECHANICAL</b>		
DIN EN ISO527	Tensile Strength (MPa)	46
DIN EN ISO527	Tensile Modulus (MPa)	3400
DIN EN ISO527	Tensile Elongation at Yield (%)	5
DIN EN ISO527	Tensile Elongation at Break (%)	6
DIN EN ISO 178	Flexural Strength (MPa)	78
DIN EN ISO 178	Flexural Modulus (MPa)	3400
EN ISO 604	Compression strength (MPa)	20(1%)/ 38(2%)/ 76(5%)
EN ISO 604	Compression Modulus (MPa)	2800
ISO 2039-1	Ball indentation hardness (MPa)	115
DIN EN ISO 179	Impact strength (Charpy) (kJ/m <sup>2</sup> )	37
<b>THERMAL</b>		
DIN EN ISO 11359	Thermal expansion, 23-60°C, long (10 <sup>-5</sup> /K)	8
DIN EN ISO 11359	Thermal expansion, 23-100°C, long (10 <sup>-5</sup> /K)	10
DIN EN ISO 11357	Melting Temp (°C)	224
	Service temperature short term (°C)	200
-	Service temperature long term (°C)	110
ISO 22007-4:2008	Thermal Conductivity (W/(K*m))	0.33
UL94	Flammability Rating	HB
<b>ELECTRICAL</b>		
DIN IEC 60093	Surface Resistivity (ohm)	10 <sup>14</sup>

All values are attributes of the used raw materials. The physical data contained in this table are typical values. They are obtained on test specimens under specific conditions and represent average values. The results obtained on these tests specimens cannot be applied to finished parts without reservations, as behavior is influenced by processing and shaping.