

Special Grade

SPESIN[®]

PBT Compound resin,

Excellent extrudable and Spinning

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.4
Shrinkage	ASTM D955	%	1.5-1.9
Water Absorption 23 °C , Equilibrium 60%RH	ASTM D570	%	0.08
Thermal			
Melting Point	ASTM D3418	°C	224
Heat Deflection Temperature under Load	ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)		°C	150
HDT/A 1.82 MPa (18.6 kg/cm ²)		°C	60
Coeff. Of Linear Thermal Expansion	ASTM D696	× 10 ⁻⁴ cm/cm·°C	0.4
Flammability	UL 94		HB
Mechanical			
Tensile Strength 23 °C	ASTM D638	MPa (kg/cm ²)	69(700)
Tensile Elongation 23 °C	ASTM D638	%	40
Flexural Strength 23 °C	ASTM D790	MPa (kg/cm ²)	79(810)
Flexural Modulus 23 °C	ASTM D790	MPa (kg/cm ²)	196(2000)
Notched Izod Impact Strength 23 °C	ASTM D256	J/m (kg cm/cm)	49(5)
Rockwell Hardness R scale	ASTM D785	g/cc	114
Electrical			
Arc Resistance	ASTM D495	sec	110
Dielectric Constant	ASTM D150	10 ⁶ Hz	3.7
Dielectric Strength	ASTM D149	KV/mm	27

