

General Grade

SPESIN[®]

PBT resin, Excellent extrudability

Property		Test Method	Units	Value
Physical				
Specific Gravity		ASTM D792	-	1.31
Shrinkage		ASTM D955	%	1.8
Water Absorption	23 °C , Equilibrium 60%RH	ASTM D570	%	0.07
Thermal				
IV (OCP Method)		OCP Method	dl/g	2.0
Melt Index (250 °C×2.16kg)		ASTM D1238	g/10min	8
Melting Point		ASTM D3418	°C	224
Heat Deflection Temperature under Load		ASTM D648		
HDT/A 0.45 MPa (4.6 kg/cm ²)			°C	155
HDT/A 1.82 MPa (18.6 kg/cm ²)			°C	70
Coeff. Of Linear Thermal Expansion		ASTM D696	× 10 ⁻⁴ cm/cm·°C	0.8
Flammability		UL 94		HB
Mechanical				
Tensile Strength	23 °C	ASTM D638	MPa (kg/cm ²)	54(552)
Tensile Elongation	23 °C	ASTM D638	%	>100
Flexural Strength	23 °C	ASTM D790	MPa (kg/cm ²)	94(960)
Flexural Modulus	23 °C	ASTM D790	MPa (kg/cm ²)	2501(25500)
Notched Izod Impact Strength	23 °C	ASTM D256	J/m (kg cm/cm)	49(5)
Rockwell Hardness	R scale	ASTM D785	g/cc	118
Electrical				
Arc Resistance		ASTM D495	sec	120
Dielectric Constant		ASTM D150	10 ⁶ Hz	3.1
Dielectric Strength		ASTM D149	KV/mm	28

