

PRODUCT INFORMATION

Special Grade

SPESIN[®] KP513MT25BK

PBT Compound resin,

High flow, dimensionally stable

Property	Test Method	Units	Value
Physical			
Specific Gravity	ASTM D792	-	1.56
Shrinkage	ASTM D955	%	1.7
Water Absorption 23 °C, Equilibrium 60%RH	ASTM D570	%	0.04
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	205
HDT/A 1.82 MPa (18.6 kg/cm ²)		°C	130
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)	60 (600)
Tensile Elongation 23 °C	ASTM D638	%	4.2
Flexural Strength 23 °C	ASTM D790	MPa (kg/cm ²)	98(1000)
Flexural Modulus 23 °C	ASTM D790	MPa (kg/cm ²)	4000 (40000)
Notched Izod Impact Strength 23 °C	ASTM D256	J/m (kg cm/cm)	35(3.6)
Rockwell Hardness R scale	ASTM D785	g/cc	120
Electrical			
Arc Resistance	ASTM D495	sec	110
Dielectric Constant	ASTM D150	10 ⁶ Hz	3.7
Dielectric Strength	ASTM D149	KV/mm	27

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 More information : www.kolonplastics.com/enghome