

## Kolon SPESINÂ® KP212G30V0NB G/F Reinforced & Flame Retardant PBT Compound Resin

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Fiber Filled, Flame Retardant

### Material Notes:

Flame retardant, high flow Applications: A variety of cases and connectors Information provided by API-Kolon. Information provided by API-Kolon.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kolon-SPESIN-KP212G30V0NB-GF-Reinforced-Flame-Retardant-PBT-Compound-Resin.php](http://www.lookpolymers.com/polymer_Kolon-SPESIN-KP212G30V0NB-GF-Reinforced-Flame-Retardant-PBT-Compound-Resin.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.63 g/cc	1.63 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.050 %	0.050 %	60% RH; ASTM D570
Linear Mold Shrinkage	0.0070 - 0.010 cm/cm	0.0070 - 0.010 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength	132 MPa	19100 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	206 MPa	29900 psi	ASTM D790
Flexural Modulus	8.826 GPa	1280 ksi	ASTM D790
Izod Impact, Notched	0.780 J/cm	1.46 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 Âµm/m-Â°C	22.2 Âµin/in-Â°F	ASTM D696
Melting Point	224 Â°C	435 Â°F	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	225 Â°C	437 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	200 Â°C	392 Â°F	ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.7	3.7	ASTM D150

Dielectric Strength Electrical Properties	27.0 kV/mm Metric	686 kV/in English	ASTM D149 Comments
Arc Resistance	110 sec	110 sec	ASTM D495

## Contact Songhan Plastic Technology Co.,Ltd.

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