

Kolon SPESINÂ® KP270 General Purpose PBT Base Resin

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Extrusion Grade

Material Notes:

Excellent extrudability Applications: Cables Information provided by API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-SPESIN-KP270-General-Purpose-PBT-Base-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D792
Moisture Absorption at Equilibrium	0.080 %	0.080 %	ASTM D570
Viscosity Measurement	1.65	1.65	DI/g; Instinct Viscosity; OCP test
Linear Mold Shrinkage	0.017 - 0.023 cm/cm	0.017 - 0.023 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	79	79	ASTM D785
Tensile Strength	54.0 MPa	7830 psi	ASTM D638
Elongation at Break	250 %	250 %	ASTM D638
Flexural Strength	94.0 MPa	13600 psi	ASTM D790
Flexural Modulus	2.50 GPa	363 ksi	ASTM D790
Izod Impact, Notched	0.490 J/cm	0.918 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB	NB	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 Âµm/m-Â°C	44.4 Âµin/in-Â°F	ASTM D696
Melting Point	221 Â°C	430 Â°F	ASTM D1525
Deflection Temperature at 0.46 MPa (66 psi)	155 Â°C	311 Â°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	75.0 Â°C	167 Â°F	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.1	3.1	ASTM D150

Electrical Properties	Metric ¹ /mm	English ¹ /in	Comments ¹
Arc Resistance	120 sec	120 sec	ASTM D495

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China