

Kolon KOPETÂ® KP132G30VO FR-PET Resin

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , Polyethylene Terephthalate (PET), 30% Glass Reinforced

Material Notes:

KOPETÂ® is the FR-PET which realizes the good properties and surface of injection molding with good mold process of short cooling time in low molding temperature. Good mold release, good surface of product, good harmonized mechanical properties with flame retardant. Information provided by US distributor, API-Kolon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kolon-KOPET-KP132G30VO-FR-PET-Resin.php

Physical Properties	Metric	English	Comments
Density	1.67 g/cc	0.0603 lb/in ³	DIN 53479; ASTM D792
Water Absorption	0.050 %	0.050 %	DIN 53475; ASTM D570
Linear Mold Shrinkage	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	DIN 53505; ASTM D785
Tensile Strength, Ultimate	132 MPa	19200 psi	DIN 53455; ASTM D638
Elongation at Break	4.5 %	4.5 %	DIN 53455; ASTM D638
Flexural Yield Strength	226 MPa	32700 psi	DIN 53455; ASTM D790
Flexural Modulus	9.81 GPa	1420 ksi	DIN 53452; ASTM D790
Izod Impact, Notched	0.735 J/cm	1.38 ft-lb/in	DIN 53453; ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 Âµm/m-Â°C	16.7 Âµin/in-Â°F	DIN 53752; ASTM D696
	@Temperature 20.0 Â°C	@Temperature 68.0 Â°F	
Melting Point	254 Â°C	489 Â°F	DIN 53736; ASTM D789
Deflection Temperature at 0.46 MPa (66 psi)	224 Â°C	435 Â°F	DIN 53461; ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.7	3.7	ASTM D150/DIN 53483
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Electrical Properties	Metric //mm	English in	Comments //DIN 53481
Arc Resistance	100 sec	100 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