

KOPET® KP132G30V0

Polyethylene Terephthalate

Kolon Plastics, Inc.

Message:

KOPET® KP132G30V0 is a Polyethylene Terephthalate (PET) product filled with 30% glass fiber. It is available in North America.

Characteristics include:

Flame Rated

Flame Retardant

Good Dimensional Stability

General Information			
UL YellowCard	E190675-100642741		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Dimensional Stability		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.67	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.030 to 0.070	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.050	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	132	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.5	%	ASTM D638
Flexural Modulus (23°C)	9810	MPa	ASTM D790
Flexural Strength (23°C)	226	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	74	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	224	°C	
1.8 MPa, Unannealed	175	°C	
Peak Melting Temperature	254	°C	ASTM D3418
CLTE - Flow	3.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	20	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.70		ASTM D150
Arc Resistance	100	sec	ASTM D495

Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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