

KOPET® KP133G45

Polyethylene Terephthalate

Kolon Plastics, Inc.

Message:

KOPET® KP133G45 is a Polyethylene Terephthalate (PET) product filled with 45% glass fiber. It is available in North America.

Characteristics include:

Flame Rated

Good Dimensional Stability

General Information			
Filler / Reinforcement	Glass Fiber,45% Filler by Weight		
Features	Good Dimensional Stability		
	High Elasticity		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.70	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 60% RH)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	119		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	142	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	5.0	%	ASTM D638
Flexural Modulus (23°C)	9320	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	245	°C	
1.8 MPa, Unannealed	230	°C	
Peak Melting Temperature	255	°C	ASTM D3418
CLTE - Flow	4.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	25	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	3.90		ASTM D150
Arc Resistance	125	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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Recommended distributors for this material

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