

KOPET® KP133G15BL

PET-GF15

Kolon Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0035	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	98	MPa	ASTM D 638
Flexural Modulus	5394	MPa	ASTM D 790
Flexural Strength	152	MPa	ASTM D 790
Rockwell Hardness	R 110	-	ASTM D 785
Izod Impact notched, 1/8 in	34	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	40	E-6/K	ASTM D 696
DTUL @ 66 psi	235	°C	ASTM D 648
DTUL @ 264 psi	185	°C	ASTM D 648
Melting Temperature	255	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	19	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3.7	-	ASTM D 150
Arc Resistance	119	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.1	%	ASTM D 570
Density	1450	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Black

Regional Availability

North America, Asia Pacific

Special Characteristics

Heat stabilized or stable to heat