

SPEIN® KP513UG

PBT

Kolon Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.017	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	69	MPa	ASTM D 638
Flexural Modulus	196	MPa	ASTM D 790
Flexural Strength	79	MPa	ASTM D 790
Rockwell Hardness	R 114	-	ASTM D 785
Izod Impact notched, 1/8 in	49	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	150	°C	ASTM D 648
DTUL @ 264 psi	60	°C	ASTM D 648
Melting Temperature	224	°C	ASTM D 3418

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	27	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3.7	-	ASTM D 150
Arc Resistance	110	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.08	%	ASTM D 570
Density	1400	kg/m ³	ASTM D 792

Characteristics**Processing**

Other Extrusion

Regional Availability

North America, Asia Pacific

Applications

Monofilament