

SPESIN® KP270

PBT

Kolon Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	8	g/10min	ASTM D 1238
Temperature	250	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.018	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength	54	MPa	ASTM D 638
Flexural Modulus	2501	MPa	ASTM D 790
Flexural Strength	94	MPa	ASTM D 790
Rockwell Hardness	R 118	-	ASTM D 785
Izod Impact notched, 1/8 in	49	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	0.8	mm	-
Coefficient of Thermal Expansion, MD	80	E-6/K	ASTM D 696
DTUL @ 66 psi	155	°C	ASTM D 648
DTUL @ 264 psi	70	°C	ASTM D 648
Melting Temperature	224	°C	ASTM D 3418
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	28	kV/mm	ASTM D 149
Dielectric Constant, 1 MHz	3.1	-	ASTM D 150
Arc Resistance	120	s	ASTM D 495
Other properties			
Water Absorption, 24hr	0.07	%	ASTM D 570
Density	1310	kg/m ³	ASTM D 792

Characteristics**Processing**

Other Extrusion

Regional Availability

North America, Asia Pacific