

SPESIN® KP513MT25BK

PBT-T25

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	60	MPa	ASTM D 638
Flexural Modulus	4000	MPa	ASTM D 790
Flexural Strength	98	MPa	ASTM D 790
Rockwell Hardness	R 120	-	ASTM D 785
Izod Impact notched, 1/8 in	35	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Coefficient of Thermal Expansion, MD	80	E-6/K	ASTM D 696
DTUL @ 66 psi	205	°C	ASTM D 648
DTUL @ 264 psi	130	°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
Density	1560	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Black

Regional Availability

North America, Asia Pacific