

KEPSTAN®

6002 PL

Kepstan® PEKK powder coatings are based on polyether-ketone-ketone, from the polyaryl-ether ketone polymer family. This is our highest performance powder coating which can survive exposure to high continuous use temperatures and corrosive environments while maintaining good abrasion resistance. This Kepstan® PEKK coatings grade can be applied via electrostatic spray or fluidized bed dip.

PROPERTIES	VALUE	UNIT	TEST STANDARD
THERMAL PROPERTIES			
Oxygen Index	38	%	ISO 4589-1/-2
ELECTRICAL PROPERTIES			
Surface Resistivity, 73 °F	1020	Ohm per square	ASTM D257
Dielectric (Electric) Strength	84	kV/mm	IEC 60243-1
	2130	kV/in	
OTHER PROPERTIES			
Density	1270	kg/m³	ISO 1183
	1.27	g/cm³	
POWDER PROPERTIES			
Nature	PEKK	-	ISO 1218
Color	Natural	-	-
Melting Temperature	300 - 305	°C	ISO 1218
	572 - 581	°F	
POWDER COATING PROPERTIES			
Recommended Coating Thickness	50 - 75	µm	-
	0.00197 - 0.00295	in	
Specific Gravity of Coating, 20°C	1.27	-	ISO 1183
Pencil Hardness	5H	-	ECCA T4
Water Absorption, 24h	≤0.6	%	ISO 62-1
Abrasion Resistance, Wheel CS 17, load 1 kg, 1000 cycles	8 - 12	mg	ISO 9352
Dielectric Strength	84	kV/mm	IEC 60243-1
	2130	V/mil	
Surface Resistivity	1020	W	ASTM D257
Fire Resistance on coated panel	V-0	-	UL 94

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PROCESSING Coating, Electrostatic Spray, Fluidized Bed Dipping	
DELIVERY FORM Powder	
REGIONAL AVAILABILITY North America, Europe, Asia Pacific, South and Central America, Near East/Africa	