

G-PAEK™ G-COAT 500

Polyether Ketone
Gharda Chemicals Ltd.

Message:

Product Details: G-COAT 500 series of water based liquid dispersions are available, where thinner coating and difficult geometries must be coated, and get enhanced properties such as wear & abrasion resistance and release properties, suitable for food contact applications, color natural.
G-COAT 500: A pure G-COAT dispersion with typical properties like, very high continuous use temperatures of 280°C (550°F), excellent wear, abrasion, chemical and excellent radiation resistance. Available in natural color, green & black.

General Information			
Features	Anti-gamma radiation		
	Good wear resistance		
	Good chemical resistance		
	Good wear resistance		
	Heat resistance, high		
	Compliance of Food Exposure		
Uses	Thin coating		
	Coating application		
Appearance	Black		
	Green		
	Natural color		
Processing Method	Coating		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm ³	
Water Absorption (Equilibrium)	0.060	%	ASTM D570
Solids Content	45	%	
Viscosity	1.7	min	
Maximum Layer Thickness - per coat	100.0 - 120.0	µm	
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (1000 Cycles, CS-10 Wheel)	10.0	mg	ASTM D1242
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	280	°C	UL 746B
Glass Transition Temperature	152	°C	ASTM D3418
Melting Temperature	372	°C	ASTM D3418
Flammability	Nominal Value	Test Method	
Flame Rating (0.800 mm)	V-0	UL 94	
Additional Information	Nominal Value	Unit	

Baking Temperature: 420°C

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