

Kynar Flex® 2850 PC

Polyvinylidene Fluoride

Arkema

Message:

KYNAR FLEX® 2850 PC powder coating is a semi-crystalline copolymer of vinylidene fluoride and hexafluoropropylene.
KYNAR FLEX® 2850 PC has a special particle size making it ideal for spray applied powder on metal substrates for abrasion and corrosion resistance.

General Information			
Features	Good Abrasion Resistance		
	Good Corrosion Resistance		
	Semi Crystalline		
Uses	Coating Applications		
Forms	Powder		
Processing Method	Spraying		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.77 to 1.80	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 23°C)	70 to 75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, 23°C	31.0 to 41.4	MPa	
Break, 23°C	27.6 to 48.3	MPa	
Tensile Elongation (Break, 23°C)	30 to 200	%	ASTM D638
Flexural Modulus (23°C)	1030 to 1240	MPa	ASTM D790
Flexural Strength (23°C)	20.7 to 34.5	MPa	ASTM D790
Compressive Strength (23°C)	41.4 to 58.6	MPa	ASTM D695
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	155 to 160	°C	ASTM D3418
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity ¹ (20°C)	2.0E+14	ohms · cm	ASTM D257
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (232°C, 100 sec ⁻¹)	400 to 800	Pa · s	ASTM D3835
NOTE			
1.	65% R.H.		

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