

KYNAR® ADX 281

Outstanding characteristics: chemical resistance, imperviousness to UV, high barrier properties, high purity, good mechanical and thermo-mechanical properties.

Kynar® ADX 281 resin allows primer less powder coating (direct adhesion to metals after standard surface preparation).

Can be used easily in standard application processes:

- Dip coating in fluidized bed
- Electrostatic spraying
- Hot flocking

PROPERTIES	VALUE	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Volume-Flow Rate	25	cm ³ /10min	ISO 1133
Temperature	230	°C	-
	446	°F	-
Load	5	kg	-
	11	lb	-
MECHANICAL PROPERTIES			
Tensile Modulus	1500	MPa	ISO 527-1/-2
	218000	psi	
Yield stress	42	MPa	ISO 527-1/-2
	6090	psi	
Yield strain	10	%	ISO 527-1/-2
Nominal Strain at Break	46	%	ISO 527-1/-2
THERMAL PROPERTIES			
Melting Temperature, 10°C/min	157	°C	ISO 11357-1/-3
Glass Transition Temperature, 10°C/min	-40	°C	ISO 11357-1/-2
ELECTRICAL PROPERTIES			
Relative Permittivity, 100Hz	10.5	-	IEC 60250
Relative Permittivity, 1MHz	6.5	-	IEC 60250
Dissipation Factor, 100Hz	380	E-4	IEC 60250
Dissipation Factor, 1MHz	2340	E-4	IEC 60250
Volume Resistivity	2E12	Ohm*m	IEC 60093
Surface Resistivity	1E13	Ohm	IEC 60093
Dielectric (Electric) Strength	21	kV/mm	IEC 60243-1
	533	kV/in	
Comparative Tracking Index	600	-	IEC 60112
OTHER PROPERTIES			

KYNAR[®]

ADX 281

Water Absorption	0.1	%	Sim. to ISO 62
Humidity Absorption	0.06	%	Sim. to ISO 62
Density	1770	kg/m ³	ISO 1183
	1.77	g/cm ³	

MAIN APPLICATIONS:

- corrosion protection in the chemical industry
• wire and cable

• coating (painting, co-extrusion)
• PPA

• off-shore
• attery

PROCESSING Coating	
DELIVERY FORM Powder	
SPECIAL CHARACTERISTICS Heat Stabilized, Light Stabilized	
REGIONAL AVAILABILITY North America, Europe, Asia Pacific, South and Central America, Near East/Africa	