

KYNAR® ADX FLEX 281

KYNAR® ADX FLEX 281 G is a grafted PVDF powder designed for coating metal parts under extremely severe chemical environments. They provide superior protection against corrosion caused by chemical compounds. Please consult Arkema literature for application method and recommendations.

PROPERTIES	VALUE	UNIT	TEST STANDARD
THERMAL PROPERTIES			
Limiting Oxygen Index, 73 °F	43	%	ASTM D2863
OTHER PROPERTIES			
Density	1720	kg/m³	ISO 1183
	1.72	g/cm³	
POWDER PROPERTIES			
Nature	PVDF	-	ISO 1218
Color	Natural	-	-
Particle Size Distribution, ≤ 40µm	16.9	%	ISO 13320
Particle Size Distribution, ≥ 250µm	6.1	%	ISO 13320
Particle Size Distribution, Median Size	88.5	µm	ISO 13320
	0.00348	in	
Melting Temperature	152	°C	ISO 1218
	306	°F	
Tapped Density	0.957	-	ISO 1068
POWDER COATING PROPERTIES			
Recommended Coating Thickness	500	µm	-
	0.0197	in	
Covering Efficiency , 500µm	0.8	kg/m²	-
Persoz Hardness	207	-	ISO 1522
Shore D Hardness	75	-	ISO 868
Water Absorption, 24h	≤0.1	%	ISO 62-1
Abrasion Resistance, Wheel CS 17, load 1 kg, 1000 cycles	35.5	mg	ISO 9352
Impact Resistance	2.5	J	ASTM G14
	22.1	in-lb	
Salt spray test according to surface preparation recommended by ARKEMA	Good adhesion after 2000h	-	ISO 9227

MAIN APPLICATIONS:

- Metal Coating
- Chemical Process Industry
- Containers

PACKAGING

This grade is delivered in 25kg bag.

KYNAR® ADX FLEX 281

SHELF LIFE

Five years from the date of delivery. For any use after this limit, please refer to our technical services.

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