

KYNAR® ADX FLEX 281 G

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 | 1770 | kg/m³ | ISO 1183 |
| | 1.77 | g/cm³ | |
| POWDER PROPERTIES | | | |
| Nature | PVDF | - | ISO 1218 |
| Color | Green | - | - |
| 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 | |
| POWDER COATING PROPERTIES | | | |
| Covering Efficiency , 500µm | 0.8 | kg/m² | - |
| Specific Gravity of Coating, 20°C | 1.72 | - | ISO 1183 |
| 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 | 33.5 | mg | ISO 9352 |
| Impact Resistance | 2.5 | J | ASTM G14 |
| | 22.1 | in-lb | |
| Fire Resistance on coated panel | V-0 | - | UL 94 |
| Salt spray test according to surface preparation recommended by ARKEMA | Good adhesion after 2000 hours | - | ISO 9227 |

MAIN APPLICATIONS:

- Metal Coating
- Chemical Process Industry
- Containers

PACKAGING

This grade is delivered in 25kg bag.

KYNAR®

ADX FLEX 281 G

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 | |