

TECHNICAL DATA SHEET

KYNAR® ADX 120

FLUORINATED HOMOPOLYMER PELLET

Kynar Flex® resins are fluorinated thermoplastic copolymers. Kynar Flex® ADX 120 resin is a semi-crystalline functionalized homopolymer designed for co-extrusion with other materials to improve interlayer adhesion. It is particularly suited to tubing, pipe and film co-extrusion applications. Outstanding characteristics: chemical resistance, imperviousness to UV, high barrier properties, high purity, good mechanical and thermo-mechanical properties. More over, this grade increases the potential of adhesion on materials as polyamides, polyolefins and can be coextruded.

DESIGNATION

PVDF

DELIVERY FORM

- Pellets

RHEOLOGICAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Melt flow index (MFR), 232°C / 3.8kg (450°F / 8.3 lb)	15 g/10min	ISO 1133
Melt viscosity, 230°C (445°F) at 100 s-1	9 kPo	ASTM D3835

MECHANICAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Yield stress, 23°C (73°F), 50 mm/min	52 MPa	ISO 527-1/-2
Yield strain, 23°C (73°F), 50 mm/min	8 %	ISO 527-1/-2
Nominal strain at break, 23°C (73°F), 50 mm/min	>50 %	ISO 527-1/-2

THERMAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Melting temperature, 10°C/min	170 °C	ISO 11357-1/-3
Heat deflection temperature, 1.8 MPa	108 °C	ISO 75-1/-2

ELECTRICAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Dielectric strength, 23°C (73,4°F)	13 kV/mm	IEC 60243-1

OTHER PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Water absorption, Saturated in water at 23°C (73°F)	0.1 %	ISO 62

SPECIAL CHARACTERISTICS

- Flame & smoke

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