KYNAR®

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 hompolymer 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.

TYPE

PVDF

MAIN APPLICATIONS

- additives

DELIVERY FORM

- Pellets

RHEOLOGICAL PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Melt flow index (MFR), 232°C / 3.8kg (450°F / 8.3 lb)	15	g/10min	ISO 1133
Melt viscosity, 230°C (446°F) at 100 s-1	9	kPo	ASTM D3835

MECHANICAL PROPERTIES

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

THERMAL PROPERTIES

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

OTHER PROPERTIES

PROPERTIES	TYPICAL VALUE	UNIT	TEST STANDARD
Water absorption, at equilibrium at 23°C (73°F) / Immersion	0.1	%	ISO 62

KYNAR® ADX 120

PACKAGING

Available packaging:
- 25 kg / 55 lb bags

SPECIAL CHARACTERISTICS

- Flame & smoke

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