

TECHNICAL DATA SHEET

KYNAR® 4000 HDP

FLUORINATED HOMOPOLYMER PELLETT

Kynar® resins are fluorinated thermoplastic homopolymers.

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

Kynar® 4000 HDP resin is a standard grade of granules for injection molding.

DESIGNATION

PVDF

MAIN APPLICATIONS

- Hi Purity
- CPI - Distribution
- Tubing
- CPI - Stock Shape

DELIVERY FORM

- Pellets

RHEOLOGICAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Melt flow index (MFR), 230°C / 5 kg (446°F / 11 lb)	14 g/10min	ISO 1133
Melt viscosity, 230°C (445°F) at 100 s-1	13 kPo	ASTM D3835

MECHANICAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Tensile modulus	MPa	ISO 527-1/-2
Yield stress	51 MPa	ISO 527-1/-2
Yield strain	9 %	ISO 527-1/-2
Nominal strain at break	50 %	ISO 527-1/-2

THERMAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Heat deflection temperature, 1.8 MPa	106 °C	ISO 75-1/-2
Limiting oxygen index (LOI)	80 %	ASTM D2863
Melting temperature, 10°C/min	171 °C	ISO 11357-1/-3

OTHER PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Specific gravity	1.78 g/cm ³	ISO 1183-1

SPECIAL CHARACTERISTICS

- Flame & smoke

Headquarter: Arkema France
 420, rue d'Estienne d'Orves
 92705 Colombes Cedex – France
 T +33 (0)1 49 00 80 80

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