

TECHNICAL DATA SHEET

KYNAR® 4000 HD

FLUORINATED HOMOPOLYMER PELLET

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 HD resin is a standard grade of granules for injection molding.

TYPE

PVDF

MAIN APPLICATIONS

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

DELIVERY FORM

- Pellets

RHEOLOGICAL PROPERTIES

PROPERTIES	VALUE	UNIT	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	UNIT	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	UNIT	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	UNIT	TEST STANDARD
Specific gravity	1.78	g/cm³	ISO 1183-1

PACKAGING

Available packaging:

- 1000 kg / 2205 lb rigid container
- 25 kg / 55 lb bags

SPECIAL CHARACTERISTICS

- Flame & smoke