

TECHNICAL DATA SHEET KYNAR® 340

FLUORINATED HOMOPOLYMER PELLET

KYNAR® resins are fluorinated thermoplastic homopolymers. The properties are the same as standard grade: chemical resistance, resistance to UV, low permeation, high purity, excellent mechanical behavior. More over, this grade is electrically conductive This grade is available as pellet form for injection, extrusion, compression

DESIGNATION

PVDF

MAIN APPLICATIONS

- CPI - Distribution
- CPI - Stock Shape

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Injection Molding

RHEOLOGICAL PROPERTIES

プロパティ	価値	テスト基準
Melt viscosity, 230°C (445°F) at 100 s-1	25 kPo	ASTM D3835
Melt flow index (MFR), 235°C / 5 kg (455°F / 11 lb)	3 - 8 g/10min	ASTM D1238
Melt volume flow rate (MVR), 230°C / 10 kg (445°F / 22 lb)	4 cm³/10min	ISO 1133

MECHANICAL PROPERTIES

プロパティ	価値	テスト基準
Tensile modulus, 23°C (73°F), 1 mm/min	1600 MPa	ISO 527-1/-2
Yield stress, 23°C (73°F), 50 mm/min	40 MPa	ISO 527-1/-2
Yield strain, 23°C (73°F), 50 mm/min	5 %	ISO 527-1/-2
Nominal strain at break, 23°C (73°F), 50 mm/min	40 %	ISO 527-1/-2
Charpy notched impact strength, 23°C (73°F)	9 kJ/m2	ISO 179 1eA
Charpy notched impact strength, -30°C (-22°F)	5 kJ/m2	ISO 179 1eA

THERMAL PROPERTIES

プロパティ	価値	テスト基準
Melting temperature, 10°C/min	166 °C	ISO 11357-1/-3

ELECTRICAL PROPERTIES

プロパティ	価値	テスト基準
Relative permittivity, 100Hz	0.07	IEC 60250

KYNAR® 340

OTHER PROPERTIES

プロパティ	価値	テスト基準
Specific gravity, 23°C (73°F)	1.84 - 1.88 g/cm ³	

SPECIAL CHARACTERISTICS

- Electrostatic discharge (ESD)
- Flame & smoke

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