

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

DELIVERY FORM

- Pellets

TRANSFORMATION PROCESSES

- Injection Molding

RHEOLOGICAL PROPERTIES

속성	값	테스트 표준
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

속성	값	테스트 표준
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
속성	값	테스트 표준
Melting temperature, 10°C/min	166 °C	ISO 11357-1/-3

THERMAL PROPERTIES/ELECTRICAL PROPERTIES

속성	값	테스트 표준
Relative permittivity, 100Hz	0.07	IEC 60250

OTHER PROPERTIES

속성	값	테스트 표준
Specific gravity, 23°C (73°F)	1.84 - 1.88 g/cm³	

KYNAR® 340

SPECIAL CHARACTERISTICS

- Electrostatic discharge (ESD)
- Flame & smoke

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