

TECHNICAL DATA SHEET

KYNAR FLEX® 2750-10

FLUORINATED COPOLYMER PELLET

Kynar Flex® resins are fluorinated thermoplastic copolymers.

Outstanding characteristics: chemical resistance, imperviousness to UV, barrier properties and high purity.

Kynar Flex® 2750-10 resin is a grade of granules to be used where maximum flexibility or impact strength is required. This product is NSF/ANSI/CAN 61 certified.

DESIGNATION

PVDF

MAIN APPLICATIONS

- Plenum Conduit
- Plenum Cable

DELIVERY FORM

- Pellets

RHEOLOGICAL PROPERTIES

| プロパティ | 価値 | テスト基準 |
|--|------------|------------|
| Melt flow index (MFR), 230°C / 3.8 kg (445°F / 8.3 lb) | 12 g/10min | ISO 1133 |
| Melt viscosity, 230°C (445°F) at 100 s-1 | 7 kPo | ASTM D3835 |

MECHANICAL PROPERTIES

| プロパティ | 価値 | テスト基準 |
|---|--------------|--------------|
| Tensile modulus, 23°C (73°F) | 480 MPa | ISO 178 |
| Yield stress, 23°C (73°F) | 20 MPa | ISO 527-1/-2 |
| Yield strain, 23°C (73°F) | 16 % | ISO 527-1/-2 |
| Elongation at break, 23°C (73°F) | 200 % | ISO 527-1/-2 |
| Izod impact notched strength, 23°C (73°F) | no break J/m | |
| Izod impact unnotched strength, 23°C (73°F) | no break J/m | |

THERMAL PROPERTIES

| プロパティ | 価値 | テスト基準 |
|--------------------------------------|-------------------|-------------|
| Limiting oxygen index (LOI) | 44 % | ASTM D2863 |
| Melting temperature, DSC 10°C/min | 134 °C (273.2 °F) | ASTM D3418 |
| Heat deflection temperature, 1.8 MPa | 44 °C (111.2 °F) | ISO 75-1/-2 |

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