

Kynar Flex® 2751-00

PVDF

Kynar Flex® 2751-00 resin

Kynar Flex® resins are fluorinated thermoplastic copolymers.

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

Main applications: flexible tubing, corrosion protection in the chemical industry, off-shore, wire and cable.

Kynar Flex® 2751-00 resin is a powder grade where maximum flexibility or impact strength is required.

Rheological properties

	Value	Unit	Test Standard
Melt volume-flow rate, MVR	1.9	cm ³ /10min	ISO 1133
Temperature	230	°C	-
Load	5	kg	-

Mechanical properties

	Value	Unit	Test Standard
Tensile Modulus	450	MPa	ISO 527-1/-2
Yield stress	21	MPa	ISO 527-1/-2
Yield strain	15	%	ISO 527-1/-2
Nominal strain at break	>50	%	ISO 527-1/-2
Charpy notched impact strength, +23°C	N	kJ/m ²	ISO 179/1eA

Thermal properties

	Value	Unit	Test Standard
Melting temperature, 10°C/min	134	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	-34	°C	ISO 11357-1/-2
Temp. of deflection under load, 1.80 MPa	40	°C	ISO 75-1/-2
Oxygen index	43	%	ISO 4589-1/-2

Electrical properties

	Value	Unit	Test Standard
Volume resistivity	2E12	Ohm*m	IEC 60093

Characteristics

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa