

KYNAR® HSV 900

Kynar® resins are fluorinated thermoplastic homopolymers.

Outstanding characteristics: chemical resistance, imperviousness to UV, high barrier properties, high purity, good mechanical and thermo-mechanical properties.

MAIN CHARACTERISTICS

PROPERTIES	VALUE	UNIT	TEST STANDARD
RHEOLOGICAL PROPERTIES			
Melt Viscosity, 230°C, 100 s-1	48 - 52.5	kPoise	ASTM D3835
MECHANICAL PROPERTIES			
Tensile Strength at Yield, 73 °F	40 - 55.2	MPa	ASTM D638
Tensile Strength at Break, 73 °F	34 - 43	MPa	ASTM D638
Elongation at Break, 73 °F	50 - 250	%	ASTM D638
Hardness, Shore D, 73 °F	76 - 80	-	ASTM D2240
Flexural Modulus, 73 °F	1380 - 2210	MPa	ASTM D790
Compressive Strength, 73 °F	68.9 - 103	MPa	ASTM D695
Notched Impact Strength, 73 °F	0.107 - 0.32	kJ/m	ASTM D256
THERMAL PROPERTIES			
Melting Point, 73 °F	165 - 172	°C	ASTM D3418
Limiting Oxygen Index, 73 °F	44	%	ASTM D2863
OTHER PROPERTIES			
Density	1780	kg/m³	ISO 1183
Specific Gravity, 73 °F	1.77 - 1.79	-	ASTM D792
OPTICAL PROPERTIES			
Refractive Index @ sodium D line	1.42	-	ASTM D542

MAIN APPLICATIONS:

- Battery
- membrane

PROCESSING

Coating, Casting

DELIVERY FORM

Powder

SPECIAL CHARACTERISTICS

Heat Stabilized

REGIONAL AVAILABILITY

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

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