

TECHNICAL DATA SHEET

KYNAR® HSV 900 POWDER

FLUORINATED HOMOPOLYMER POWDER

KYNAR® resins are fluorinated thermoplastic homopolymers.

Outstanding characteristics: chemical resistance, imperviousness to UV, high barrier properties, high purity, good mechanical and thermo-mechanical properties. This product is NSF/ANSI/CAN 61 certified.

DESIGNATION

PVDF

MAIN APPLICATIONS

- Automotive - BIW

DELIVERY FORM

- Powder

RHEOLOGICAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Melt viscosity, 230°C (445°F) at 100 s-1	49.5 kPo	ASTM D3835

MECHANICAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Yield stress, 23°C (73°F)	40 - 55.2 MPa	ASTM D638
Stress at break, 23°C (73°F)	34 - 43 MPa	ASTM D638
Flexural modulus, 23°C (73°F)	1380 - 2210 MPa	ASTM D790
Compression strength, 23°C (73°F)	68.9 - 103 MPa	ASTM D695
Izod impact notched strength, 23°C (73°F)	0.107 - 0.32 J/m	ASTM D256
Hardness, Shore D	76 - 80	ASTM D2240

THERMAL PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Limiting oxygen index (LOI)	44 %	ASTM D2863
Melting temperature, 10°C/min	165 °C	ASTM D3418

OTHER PROPERTIES

PROPERTIES	VALUE	TEST STANDARD
Specific gravity, 23°C (73°F)	1.77 - 1.79 g/cm ³	

SPECIAL CHARACTERISTICS

- Flame & smoke

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