

INOFLAR[®] 1155

TECHNICAL DATA SHEET

TECHNICAL INFORMATION

INOFLAR[®] 1155 is an ultra high molecular weight PVDF homopolymer resin in powder form suitable for use as binders in batteries.

PRODUCT FEATURES

- High adhesion
- Excellent chemical resistance
- Good thermal & mechanical performance
- Excellent electrochemical stability

TYPICAL PROPERTIES

Physical Unit	Unit	Value	Test Method
Specific Gravity	-	1.76 – 1.79	ASTM D792
Rheological			
Melt Viscosity (230 °C, 100 S ⁻¹)	kPoise	50 – 55	ASTM D3835
Mechanical			
Tensile Strength (Yield)	MPa	40 – 50	ASTM D638
Tensile Strength (Break)	MPa	35 – 45	ASTM D638
Tensile Elongation (Break)	%	> 20	ASTM D638
Thermal			
Melting Temperature	°C	156 – 165	ASTM D3418
Flammability			
Oxygen Index	%	44	ASTM D2863



Inoflar[®] PVDF resins are manufactured without the use of Fluoro-surfactants

INOFLAR® 1155

PACKAGING

INOFLAR® 1155 powder is available in 25 Kg plastic drums, packed in a polyethylene liner.

HANDLING AND STORAGE

INOFLAR® 1155 presents no safety hazard under normal handling conditions. Please refer to the material safety data sheet to avoid potential hazards prior to processing..

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SALES AND TECHNICAL SUPPORT

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