

INOFLAR[®] 3160

TECHNICAL DATA SHEET

TECHNICAL INFORMATION

INOFLAR[®] 3160 is a very high molecular weight modified PVDF resin in powder form suitable for use as binders in batteries. INOFLAR[®] 3160 offers higher adhesion compared to conventional homopolymer binders and offer excellent processability for exceptional battery performance.

PRODUCT FEATURES

- High viscosity
- Excellent chemical resistance
- Good thermal & mechanical performance
- Excellent electrochemical stability
- Modified for high adhesion

TYPICAL PROPERTIES

Physical Unit	Unit	Value	Test Method
Specific Gravity	-	1.76 – 1.79	ASTM D792
Rheological			
Solution Viscosity (7% PVDF in NMP, 25 °C, 100 s ⁻¹)	cP	1100 - 1500	Internal Method
Mechanical			
Tensile Strength (yield)	MPa	40 – 55	ASTM D638
Tensile Strength (Break)	MPa	35 – 50	ASTM D638
Tensile Elongation (Break)	%	> 50	ASTM D638
Thermal			
Melting Temperature	°C	158 – 165	ASTM D3418



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

INOFLAR® 3160

PACKAGING

INOFLAR® 3160 powder is available in 25 Kg plastic drums, packed in a polyethylene liner.

HANDLING AND STORAGE

INOFLAR® 3160 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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