

INOFLAR[®] 2020

TECHNICAL DATA SHEET

TECHNICAL INFORMATION

INOFLAR[®] 2020 is a medium molecular weight granular PVDF copolymer resin suitable for molding and extrusion applications. INOFLAR[®] 2020 is suitable for applications that require low temperature flexibility.

PRODUCT FEATURES

- Low temperature flexibility
- Excellent chemical resistance
- High temperature resistance
- Good thermal & mechanical performance
- Easy processability

TYPICAL PROPERTIES*

Physical Unit	Unit	Value	Test Method
Specific Gravity	-	1.76 – 1.79	ASTM D792
Water Absorption	%	< 0.04	ASTM D570
Rheological			
Melt Mass Flow Rate (230 °C, 5 Kg Load)	g/10min	1.0 – 3.0	ASTM D1238
Mechanical#			
Tensile Modulus	MPa	600 – 1200	ASTM D638
Tensile Strength (Yield)	MPa	25 – 35	ASTM D638
Tensile Strength (Break)	MPa	30 – 50	ASTM D638
Tensile Elongation (Yield)	%	10 – 20	ASTM D638
Tensile Elongation (Break)	%	> 300	ASTM D638
Flexural Modulus (Break)	MPa	600 - 800	ASTM D790
Flexural Strength @5% Strain	MPa	20 - 35	ASTM D790
Impact			
Charpy Notched Impact Strength (23 °C)	J/m	No Break	ASTM D256
Hardness			
Durometer Hardness (Shore D, 1 sec, 2.00 mm)	-	65 – 70	ASTM D2240



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

INOFLAR® 2020

Thermal			
Glass Transition Temperature (10 °C/min)	°C	-40	ASTM D4065
Melting Temperature	°C	165 – 172	ASTM D3418
Deflection Temperature under load (1.80 MPa)	°C	40 – 55	ASTM D648
Flammability			
Oxygen Index	%	42	ASTM D2863

PACKAGING

INOFLAR® 2020 pellets are available in 25 kg multilayered bags, packed in a polyethylene liner.

HANDLING AND STORAGE

INOFLAR® 2020 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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