

# **Technical Information**

INOFLAR<sup>™</sup> 1020 is a medium molecular weight granular PVDF homopolymer suitable for extrusion, compression molding and transfer molding applications.

## **Product Features**

•	Medium viscosity	•	Excellent chemical resistance	•	Good dimensional stability
•	Good thermal & mechanical performace	•	UV resistance	•	Easy processability

# **Typical Properties**

Physical	Unit	Value	Method
Specific Gravity		1.77 – 1.79	ASTM D792
Water Absorption	%	< 0.04	ASTM D570
Rheological			
Melt Mass Flow Rate (230 °C, 5 KgLoad)	g/10 min	1.5 – 3	ASTM D1238
Molding Shrinkage - Flow	%	< 3	Internal Method
Mechanical			
Tensile Modulus	MPa	1700 - 2300	ASTM D638
Tensile Strength <sup>(Yield)</sup>	MPa	45 – 55	ASTM D638
Tensile Strength (Break)	MPa	35 – 55	ASTM D638
Tensile Elongation <sup>(Yield)</sup>	%	5 – 10	ASTM D638
Tensile Elongation (Break)	%	> 50	ASTM D638
Taber Abrasion Resistance (1000 cycles, 1000 g, CD-10 Wheel)	mg	5 – 10	ASTM D4060
Impact			
Charpy Notched Impact Strength (23°C)	j/m	40 – 120	ASTM D6110
Notched Izod Impact Strength (23 °C)	j/g	110	ASTM D256
Unnotched Izod Impact Strength (23 °C)	j/g	1100	ASTM D256
Hardness			
Durometer Hardness (Shore D, 1 sec, 2,00 mm)		73 – 80	ASTM D2240
Thermal			
<b>Glass Transition Temperature</b>	°C	- 40	ASTM D4065
MeltingTemperature	°C	165 – 172	ASTM D3418

### Packaging

INOFLAR<sup>™</sup> 1020 pellets are available in 25 Kg multilayered bags, packed in a polyethylene liner.

## **Safety and Handling**

INOFLAR<sup>™</sup> 1020 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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