



## ProFLOW 3000

### Product Description

ProFLOW Resins are high flow rate (MFR 1500+) polypropylene resins that quickly melt to low viscosity Newtonian fluids.

### General

**Material Status:** Commercial: Active  
**Availability:** Globally  
**Features:** Semi Crystallinity/Low Velocity  
**Uses:** Multiple  
**Processing Method:** Injection Molding, Extrusion, Blown Film, Compounding

### ASTM & ISO Properties

<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Melting Point	142	°C	DSC
<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density	0.92	g/cc	ISO 1183
Molding Shrinkage	N/A	N/A	N/A
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Modulus	111,000	psi	ISO 527-2
Tensile Strength	3,700	psi	ISO 527-2
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod	0.32	ft-lb/in	ISO 180
<b>Rheological</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Melt Index	~1500	g/10 min	230°C, 0.0825" ID, 2.16 kg
Modified MFR	5.5	g/10 min	230°C, 0.0200" ID, 2.16 kg
Melt Viscosity	61	poise	190°C, 100 sec <sup>-1</sup>

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