

ProFLOW 1000

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

Thermal	Nominal Value	Unit	Test Method
Melting Point	161	°C	DSC
Physical	Nominal Value	Unit	Test Method
Density	0.92	g/cc	ISO 1183
Molding Shrinkage	N/A	N/A	N/A
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	180,000	psi	ISO 527-2
Tensile Strength	5,000	psi	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod	0.14	ft-lb/in	ISO 180
Rheological	Nominal Value	Unit	Test Method
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 ⁻¹

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