

HiFill® POM HO 0167 S2 LE BL247

Techmer Polymer Modifiers - Acetal (POM) Homopolymer

General Information
General

Material Status	• Commercial: Active
Availability	• North America
Features	• Metal Detectable
Appearance	• Blue
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.75		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/1.2 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	0.010 to 0.013	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	530000	psi	ASTM D638
Tensile Strength (Yield)	8000	psi	ASTM D638
Tensile Strength (Break)	8000	psi	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	0.70	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	150	°F
Drying Time	1.0 to 2.0	hr
Rear Temperature	360 to 390	°F
Middle Temperature	370 to 400	°F
Front Temperature	380 to 410	°F
Nozzle Temperature	390 to 420	°F
Processing (Melt) Temp	365 to 415	°F
Mold Temperature	75 to 150	°F
Injection Rate	Slow	
Back Pressure	0.00 to 50.0	psi
Screw Speed	Slow-Moderate	

