

HiFill® POM 0169 S2 LE

Techmer Polymer Modifiers - *Acetal (POM) Copolymer*

General Information

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Material Status	• Commercial: Active
Availability	• North America
Features	• Copolymer • Low Extractables • Metal Detectable
Appearance	• Colors Available
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.69		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/1.05 kg)	2.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	0.019	in/in	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	6500	psi	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	460000	psi	ASTM D790
Flexural Strength	10000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	1.1	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	100		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	320	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	230	°F	ASTM D648
CLTE - Flow	1.2E-5	in/in/°F	ASTM D696

Notes

¹ Typical properties: these are not to be construed as specifications.

