

OmniTech™ POM 27

Acetal (POM) Copolymer

OMNI Plastics, LLC

Message:

Easy Flow, Injection Grade, Polyoxymethylene

General Information			
Features	Good Flow		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Molding Shrinkage	1.5 to 2.1	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	60.7	MPa	ASTM D638
Tensile Elongation (Break)	8.0	%	ASTM D638
Flexural Modulus	2690	MPa	ASTM D790
Flexural Strength	86.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm)	110	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (3.18 mm)	HB		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	< 3.0	hr	
Suggested Max Moisture	0.15	%	
Rear Temperature	191 to 210	°C	
Middle Temperature	191 to 210	°C	
Front Temperature	191 to 210	°C	
Nozzle Temperature	191 to 210	°C	
Processing (Melt) Temp	216 to 260	°C	
Mold Temperature	93.3 to 121	°C	
Back Pressure	0.345 to 0.689	MPa	

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