

INLUBE POMHSI2

Acetal (POM) Homopolymer
Infinity LTL Engineered Compounds

Message:

INLUBE POMHSI2 is an Acetal (POM) Homopolymer product. It is available in North America.

Characteristics include:

Homopolymer
Lubricated

General Information			
Additive	Silicone Lubricant (2%)		
Features	Homopolymer		
	Lubricated		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.8 to 2.3	%	
Water Absorption (24 hr)	0.20	%	ASTM D570

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	52.4	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Modulus	2690	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	96	J/m	ASTM D256
Unnotched Izod Impact	590 to 690	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	104	°C	ASTM D648

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+14	ohms	ASTM D257

Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	193 to 210	°C	
Mold Temperature	82.2 to 104	°C	
Back Pressure	0.172 to 0.345	MPa	
Screw Speed	30 to 60	rpm	
Vent Depth	0.013 to 0.025	mm	

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