

INLUBE POMHTF20

Acetal (POM) Homopolymer
Infinity LTL Engineered Compounds

Message:

INLUBE POMHTF20 is an Acetal (POM) Homopolymer product. It is available in North America.
Characteristics include:
Homopolymer
Lubricated

General Information			
UL YellowCard	E256722-557930		
Additive	PTFE Lubricant (20%)		
Features	Homopolymer		
	Lubricated		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.8 to 2.3	%	ASTM D955
Water Absorption (24 hr)	0.20	%	ASTM D570

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	53.1	MPa	ASTM D638
Tensile Elongation (Break)	10 to 15	%	ASTM D638
Flexural Modulus	2620	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	48	J/m	ASTM D256
Unnotched Izod Impact	530 to 640	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	95.6	°C	ASTM D648

Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+17	ohms	ASTM D257

Injection	Nominal Value	Unit
Drying Temperature	82.2	°C
Drying Time	4.0	hr
Processing (Melt) Temp	199 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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