



EcoLube™ POMCM2S2MD

PRODUCT DESCRIPTION EcoLube™ POMCM2S2MD is a POM (Acetal) Copolymer with a proprietary lubricant additive and 2% silicone. Suitable for Healthcare applications.

MATERIAL STATUS Commercial: Active

AVAILABILITY Africa & Middle East, Asia Pacific, Europe, Latin America, North America

ADDITIVE Silicone Lubricant: 2%

FEATURES Copolymer

PROCESSING METHOD Injection Molding

PHYSICAL	NOMINAL VALUE	UNIT	TEST METHOD
Density / Specific Gravity	1.34	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.8 to 2.0	%	ASTM D955
MECHANICAL	NOMINAL VALUE	UNIT	TEST METHOD
Tensile Modulus	2720	MPa	ASTM D638
Tensile Strength	59.3	MPa	ASTM D638
Tensile Elongation (Yield)	5.0 to 15	%	ASTM D638
Flexural Modulus	2550	MPa	ASTM D790
Flexural Strength	72.4	MPa	ASTM D790
IMPACT	NOMINAL VALUE	UNIT	TEST METHOD
Notched Izod Impact (3.18 mm)	75	J/m	ASTM D256
THERMAL	NOMINAL VALUE	UNIT	TEST METHOD
Deflection Temperature Under Load 1.8 MPa, Unannealed	102	°C	ASTM D648
INJECTION	NOMINAL VALUE	UNIT	TEST METHOD
Drying Temperature	82	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	204 to 221	°C	
Mold Temperature	93	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	30 to 60	rpm	

NOTES

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

