



## EcoLube™ PA66GF30M2S2MD

**PRODUCT DESCRIPTION** EcoLube™ PA66GF30M2S2MD is a 30% glass fiber reinforced Nylon PA6/6 with a proprietary lubricant package and 2% silicone. Suitable for Healthcare applications.

**MATERIAL STATUS** Commercial: Active

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

**FILLER / REINFORCEMENT** Glass Fiber, 30% Filler by Weight

**ADDITIVE** Silicone Lubricant: 2%

**PROCESSING METHOD** Injection Molding

PHYSICAL	NOMINAL VALUE	UNIT	TEST METHOD
Density / Specific Gravity	1.36	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30 to 0.50	%	ASTM D955
MECHANICAL	NOMINAL VALUE	UNIT	TEST METHOD
Tensile Modulus	9650	MPa	ASTM D638
Tensile Strength (Yield)	165	MPa	ASTM D638
Tensile Elongation (Yield)	2.5	%	ASTM D638
Flexural Modulus	8620	MPa	ASTM D790
Flexural Strength (Yield)	207	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	246	°C	ASTM D648
INJECTION	NOMINAL VALUE	UNIT	TEST METHOD
Drying Temperature	79	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.20	%	
Processing (Melt) Temp	274 to 302	°C	
Mold Temperature	93	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	50 to 100	rpm	

### NOTES

<sup>1</sup> Typical properties: these are not to be construed as specifications.

