

# INLUBE INX-SAN-09055

Styrene Acrylonitrile  
Infinity LTL Engineered Compounds

Message:  
SAN COMPOUND WITH GRAPHITE, GLASS BEADS AND PTFE. DESIGNED FOR OPTIMUM DIMENSIONAL STABILITY AND WEAR RESISTANCE IN AQUEOUS ENVIRNMENTS

General Information			
Filler / Reinforcement	Glass Bead		
Additive	PTFE + Graphite Lubricant		
Features	Good Dimensional Stability		
	Good Wear Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	0.10 to 0.20	%	ASTM D955
Water Absorption (Equilibrium)	0.060	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	65.5	MPa	ASTM D638
Tensile Elongation (Break)	1.0 to 2.0	%	ASTM D638
Flexural Modulus	6.21	MPa	ASTM D790
Flexural Strength	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	J/m	ASTM D256
Unnotched Izod Impact	160 to 210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	98.9	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	249 to 266	°C	
Mold Temperature	65.6 to 82.2	°C	
Back Pressure	0.345 to 0.689	MPa	
Screw Speed	40 to 70	rpm	

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