

DynaMix™ 2018-MGA

Polyamide

Polymer Dynamix

Message:

Lubricated Dimensionally Stable Nylon

Features:

Excellent Chemical Resistance

Low Density

Good Dimensional Stability

Excellent Processability

Applications:

Automotive

Small Appliances

Industrial

General Information			
Additive	Lubricant		
Features	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Processability		
	Low Density		
	Lubricated		
Uses	Appliance Components		
	Appliances		
	Automotive Applications		
	Industrial Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.80	%	ASTM D955
Water Absorption (24 hr)	0.50	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	89.6	MPa	ASTM D638
Tensile Elongation (Break)	3.0 to 5.0	%	ASTM D638
Flexural Modulus	4480	MPa	ASTM D790
Flexural Strength	145	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	53	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	93.3 to 104	°C	
Drying Time	3.0 to 4.0	hr	

Rear Temperature	260 to 288	°C
Middle Temperature	266 to 293	°C
Front Temperature	274 to 302	°C
Nozzle Temperature	277 to 302	°C
Processing (Melt) Temp	277 to 302	°C
Mold Temperature	65.6 to 82.2	°C
Injection Pressure	68.9 to 138	MPa
Injection Rate	Fast	
Back Pressure	0.345 to 6.89	MPa
Screw Speed	40 to 70	rpm
Clamp Tonnage	5.5 to 8.3	kN/cm ²

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