

# DynaStat® EG1957

Polyamide

Polymer Dynamix

Message:

Lubricated Antistatic Nylon Compound

Features:

Permanently Static Dissipative

Good Dimensional Stability

Carbon Free

Applications:

Industrial

Electrical/Electronic Applications

Packaging

General Information			
Additive	Antistatic		
	Lubricant		
Features	Antistatic		
	Good Dimensional Stability		
	Lubricated		
Uses	Electrical/Electronic Applications		
	Industrial Applications		
	Packaging		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10 to 1.15	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	32.4	MPa	
Break	31.0	MPa	
Tensile Elongation			ASTM D638
Yield	15	%	
Break	> 500	%	
Flexural Modulus	586	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	No Break		ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	5.0E+6 to 8.0E+8	ohms	ASTM D257

Volume Resistivity	5.0E+6 to 8.0E+8	ohms·cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	82.2 to 93.3	°C	
Drying Time	> 4.0	hr	
Rear Temperature	221 to 249	°C	
Middle Temperature	232 to 260	°C	
Front Temperature	243 to 266	°C	
Nozzle Temperature	243 to 266	°C	
Mold Temperature	37.8 to 65.6	°C	
Injection Pressure	2.07 to 10.3	MPa	
Injection Rate	Moderate-Fast		
Back Pressure	0.00	MPa	
Screw Speed	40 to 45	rpm	

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#### Recommended distributors for this material

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