

DynaStat® 1847

Acetal (POM) Copolymer

Polymer Dynamix

Message:

Antistatic Acetal Compound

Features:

Permanently Antistatic

Good Dimensional Stability

Excellent Processability

Applications:

Industrial

Electrical/Electronic Applications

Automotive

General Information	
Additive	Antistatic property
Features	Good dimensional stability
	Antistatic property
	Workability, good
Uses	Electrical/Electronic Applications
	Industrial application
	Application in Automobile Field
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	74		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	44.1	MPa	ASTM D638
Fracture	34.5	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	17	%	ASTM D638
Fracture	110	%	ASTM D638
Flexural Modulus	1600	MPa	ASTM D790
Flexural Strength	60.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	160	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	1.0E+9 - 1.0E+11	ohms	ASTM D257
Static Decay		sec	NFPA 99
Injection	Nominal Value	Unit	
Drying Temperature	82.2 - 87.8	°C	
Drying Time	2.0 - 4.0	hr	
Rear Temperature	191 - 199	°C	
Middle Temperature	196 - 202	°C	
Front Temperature	199 - 204	°C	
Nozzle Temperature	202 - 207	°C	
Processing (Melt) Temp	204 - 210	°C	
Mold Temperature	37.8 - 82.2	°C	
Injection Pressure	68.9 - 82.7	MPa	
Injection Rate	Moderate		
Back Pressure	0.345 - 0.689	MPa	
Screw Speed	40 - 70	rpm	
Clamp Tonnage	4.1 - 6.9	kN/cm ²	
Extrusion	Nominal Value	Unit	
Drying Temperature	82.2 - 87.8	°C	
Drying Time	3.0 - 5.0	hr	
Cylinder Zone 1 Temp.	182 - 193	°C	
Cylinder Zone 3 Temp.	188 - 199	°C	
Cylinder Zone 5 Temp.	193 - 204	°C	
Melt Temperature	199 - 210	°C	
Die Temperature	193 - 204	°C	
Extrusion instructions			

Screw Speed: 25 to 100 RPM

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