

RTP ESD 800 TFE 5

Acetal (POM) Copolymer

RTP Company

Message:

PTFE Lubricated - Static Dissipative - ESD Protection

General Information			
Additive	PTFE lubricant (5%)		
Features	Electrostatic discharge protection		
	Static conduction		
	Lubrication		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	2.0 - 3.0	%	ASTM D955
Moisture Content	0.15	%	
Static Decay ¹		sec	FTMS 101C 4046.1
Primary Additive	5.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2070	MPa	ASTM D638
Tensile Strength	40.0	MPa	ASTM D638
Tensile Elongation (Yield)	9.0 - 12	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength	58.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	80	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	800	J/m	ASTM D4812
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity			
--	< 1.0E+7	ohms	ASTM D257
--	< 1.0E+6	ohms	ESD STM11.11
Volume Resistivity	< 1.0E+4	ohms · cm	ASTM D257
Injection	Nominal Value	Unit	
Drying Temperature	121	°C	
Drying Time	2.0	hr	
Dew Point	-31.7	°C	
Processing (Melt) Temp	182 - 218	°C	
Mold Temperature	79.4 - 107	°C	

Injection Pressure	68.9 - 103	MPa
Injection instructions		
Desiccant Type Dryer Required.		
NOTE		

1. MIL-PRF-81705D, 5kV to 50 V, 12% RH

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

