

ESD 800 TFE 10

Acetal (POM) Copolymer

RTP Company

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Technical Data

Product Description

PTFE Lubricated - ESD Protection - Static Dissipative

General

Material Status	• Commercial: Active		
Search for UL Yellow Card	• RTP Company		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• PTFE Lubricant		
Features	• ESD Protection	• Lubricated	• Statically Conductive
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	1.42 g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.18 mm)	1.8 to 2.5 %	ASTM D955

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	1930 MPa	ASTM D638
Tensile Strength	37.9 MPa	ASTM D638
Tensile Elongation (Yield)	9.0 to 12 %	ASTM D638
Flexural Modulus	1790 MPa	ASTM D790
Flexural Strength	55.2 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact (3.18 mm)	53 J/m	ASTM D256
Unnotched Izod Impact (3.18 mm)	800 J/m	ASTM D4812

Electrical	Nominal Value Unit	Test Method
Surface Resistivity	< 1.0E+6 ohms	ESD STM11.11 ASTM D257
Volume Resistivity	< 1.0E+3 ohms·cm	ASTM D257
Static Decay ²	< 2.0 sec	FTMS 101C 4046.1

Injection	Nominal Value Unit
Drying Temperature	121 °C
Drying Time	2.0 hr
Dew Point	-32 °C
Suggested Max Moisture	0.15 %
Processing (Melt) Temp	182 to 218 °C
Mold Temperature	79 to 107 °C
Injection Pressure	68.9 to 103 MPa

Injection Notes

Desiccant Type Dryer Required.

Notes

¹ Typical properties: these are not to be construed as specifications.

² MIL-PRF-81705D, 5 kV to 50 V, 12% RH



Where to Buy

Supplier

RTP Company

Winona, Winona USA

Telephone: 800-433-4787

Web: <http://www.rtpcompany.com/>

Distributor

Please contact the supplier to find a distributor for ESD 800 TFE 10

