

Lubrizol Stat-Rite® S-102 Static Control Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

Material Notes:

Stat-Rite® S-102 is a static dissipative Polyethylene alloy. Stat-Rite® S-102 utilizes the patented Stat-Rite® inherently dissipative polymer (IDP) alloy system to provide clean, permanent ESD protection. It is specially developed for blown film applications and is highly suitable for ESD-sensitive parts requiring a robust packaging that does not tear easily. Features: Clean, permanent, and more consistent than anti-stat Provides protection for many years Robust Applications: Semiconductor packaging Electronic component packaging Hard disk drive packaging Available in Americas, Europe, Middle East, Africa, India and Asia Preliminary Data Sheet Data provided by Lubrizol.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lubrizol-Stat-Rite-S-102-Static-Control-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ASTM D792
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	15.2 MPa	2200 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638

Optical Properties	Metric	English	Comments
Haze	37 %	37 %	ASTM D1003
Transmission, Visible	84 %	84 %	ASTM D1003

Electrical Properties	Metric	English	Comments
Volume Resistivity	8.00e+9 ohm-cm	8.00e+9 ohm-cm	ESD S11.11
Surface Resistance	4.00e+8 ohm	4.00e+8 ohm	ESD S11.11
Static Decay	>= 2.0 sec	>= 2.0 sec	Charged Plate Monitor; (1000 V to 10 V)
Tribocharge	10 V	10 V	Nitrile Glove

Descriptive Properties	Value	Comments
Color	Natural, Translucent	

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