

Premix Thermoplastics PRE-ELEC® ESD 5400

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

PRE-ELEC ESD 5400 is a static dissipative thermoplastic compound based on poly-propylene. The dissipative property is permanent and built into the polymer chain. PRE-ELEC ESD 5400 is developed for tape and monofilament extrusion. The products made out of PRE-ELEC ESD 5400 are washable, reusable and recyclable. Surface resistance values of 109 ohms (EOS/ESD S11.11-1993, IEC 61340-5-1) can be achieved with optimum processing parameters. Typical applications include tapes and monofilaments for woven fabrics industry e.g. to produce ESD big bags. Test Specimen: Tape Information provided by Premix Thermoplastics Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Premix-Thermoplastics-PRE-ELEC-ESD-5400.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	
Melt Flow	26 g/10 min	26 g/10 min	ISO 1133
	@Load 2.15 kg, Temperature 230 °C	@Load 4.74 lb, Temperature 446 °F	
	100 g/10 min	100 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 230 °C	@Load 11.0 lb, Temperature 446 °F	

Electrical Properties	Metric	English	Comments
Surface Resistance	<= 1.00e+10 ohm	<= 1.00e+10 ohm	9x Stretched Tape; ISO IEC 61340-5-1
Static Decay	<= 2.0 sec	<= 2.0 sec	9x Stretched Tape; ISO IEC 61340-5-1

Processing Properties	Metric	English	Comments
Shelf Life	12.0 Month	12.0 Month	Normal Storing Conditions

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