

Premix Thermoplastics PRE-ELEC® ESD 4000 Polyolefin Compatible Dissipative Masterbatch, IDP Additive

Category : Polymer , Thermoplastic , Polyethylene (PE) , Polyolefin, Film Grade

Material Notes:

PRE-ELEC® ESD 4000 is a polyolefin compatible dissipative masterbatch developed for PELD and PE-HD film, sheet, blow and injection moulded products. The active substance is an IDP (inherently dissipative polymer) and it gives a permanent dissipative property also at low humidity. The surface resistance level at $1 \times 10^9 - 1 \times 10^{12}$ ohms can be achieved at 8-20 % dosing level (EOS/ESD S11.11-1993, IEC 61340-5-1). The let down ratio of the masterbatch should be tested prior to its use with the polymer used in order to reach the desired dissipative level. PRE-ELEC® ESD 4000 can be used in clean room applications. The processing temperature should be less than 220 °C (430 °F) and the material should be pre-dried before processing. Information from Premix OY

Order this product through the following link:

http://www.lookpolymers.com/polymer_Premix-Thermoplastics-PRE-ELEC-ESD-4000-Polyolefin-Compatible-Dissipative-Masterbatch-IDP-Additive.php

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in ³	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	220 °C	428 °F	

Electrical Properties	Metric	English	Comments
Surface Resistance	1.00e+9 - 1.00e+12 ohm	1.00e+9 - 1.00e+12 ohm	At 8-20% Dosing; ISO IEC 61340-5-1

Processing Properties	Metric	English	Comments
Processing Temperature	<= 220 °C	<= 428 °F	
Drying Temperature	80.0 - 90.0 °C	176 - 194 °F	Pre-drying in a dehumidifier
Dry Time	3 - 4 hour	3 - 4 hour	
Moisture Content	<= 0.25 %	<= 0.25 %	when produced

Descriptive Properties	Value	Comments
Appearance	Granule	
Colour	Yellowish	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China