

Irgastat® P 22

Technical DataSheet | Supplied by BASF

Irgastat® P 22 by BASF is a polymeric system based on polyamide/polyether block amide. Acts as an anti-static agent. It is incorporated as melt additive. Irgastat® P 22 is non-sparking, transparent, thermally stable and effective at low humidity (8 /sq can be achieved, depending on substrate. It forms more distinct fiber network and requires lower addition levels. Compatible with polyolefins. Irgastat® P 22 is suitable for use in electronic and industrial packaging, housings and parts of business machines and also thermoplastic polymers, transparent film, fiber or molded applications. Recommended dosage is 4 – 15 %.

Product Type	Anti-static Agents
Chemical Composition	Polymeric system based on polyamide/polyether block amide
Physical Form	Granules
Appearance	White to slightly yellowish
Product Status	IN DEVELOPMENT
Applications/ Recommended for	PA, Nylon Fibers/ Textiles/ Carpets > Fibers Packaging > Industrial / Agriculture / Consumer goods Electronics / Computers Engineering / manufacturing > Production machines

Irgastat® P 22 Properties

Property	Value & Unit	Test Condition	Test Method
Surface Resistivity	2×10^7 ohm/sq	Measured on Pure IRGASTAT P Films	ASTM D257
Volume Resistivity	4×10^7 ohm-cm	Measured on Pure IRGASTAT P Films	ASTM D257
Charge Decay	< 0.02 s		MIL B-81705
Refractive Index	1.505	At 22°C	

Melting Point	220 °C		
Absorption	42 %	At 23°C in Water	ASTM D3418
Density, Bulk	0.68 g/ml		
Specific Gravity	1.04		
Volatility	200 °C	At 1% Mass Loss	
Volatility	361 °C	At 5% Mass Loss	
Volatility	381 °C	At 10% Mass Loss	
Melt Mass-Flow Rate (MFR)	23 - 26 g/10 min	At 230°C. 2.16 kg	

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