

ECP 115

Polypropylene

TBA Electro Conductive Products Ltd.

Message:

A wide range of polymer bases are employed to produce conductive plastics, including the polyolefines, nylons and ABS. Typical applications are illustrated using ECP 104 mineral filled conductive polypropylene which can be used to mould a variety of containers for static sensitive devices and PCB handling equipment. The mineral filler produces rigid mouldings with excellent dimensional stability.

Permanently conductive

Easily processed on conventional moulding equipment

Grades tailored to suit a variety of requirements.

General Information		
Features	Conductive	
	Good Dimensional Stability	
	Good Processability	
Uses	Containers	
	Wire & Cable Applications	
Processing Method	Coating	
	Injection Molding	
Physical	Nominal Value	Unit
Density	1.04	g/cm ³
Melt Mass-Flow Rate (MFR)		
230°C/10.0 kg	10	g/10 min
230°C/5.0 kg	1.0	g/10 min
Mechanical	Nominal Value	Unit
Tensile Modulus	1300	MPa
Tensile Stress	20.0	MPa
Flexural Modulus	1200	MPa
Flexural Stress	29.0	MPa
Impact	Nominal Value	Unit
Charpy Notched Impact Strength	5.0	kJ/m ²
Charpy Unnotched Impact Strength	No Break	
Thermal	Nominal Value	Unit
Heat Deflection Temperature		
0.45 MPa, Unannealed	69.0	°C
1.8 MPa, Unannealed	46.0	°C
Electrical	Nominal Value	Unit
Surface Resistivity	1.0E+4	ohms

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

