



1209-ESD HIPS

ESD HIPS

Approved By: _____

Date: _____

Impact 1209-ESD has been designed to impart excellent conductive properties to extruded HIPS sheet and rollstock. A permanent internal anti-static agent, 1209-ESD assists in eliminating electrostatic problems in extruded sheet and is available in a wide range of sizes including thin-gauge rollstock from .0075" - .080" and cut sheet from .030" - .500".

Properties	ASTM Test	Typical Value*
Density	D 792	1.04 g/cm ³
Melt Flow, 200°C / 5.0kg	D 1238	4.0 gm/10 min
Molding Shrinkage	D 955	0.4-0.7%
Tensile Stress at Break	D 638	27 MPa
Tensile Strain at Break	D 638	70%
Tensile Modulus	D 638	2,050 MPa
Izod Impact Strength, Notched - 4mm	ISO 180/1A	13 kJ/m ²
Izod Impact Strength, Notched - 3.2mm	D 256	160 J/m
Deflection Temp. Under Load (annealed), 1.8 MPa, 120°C/h	D 648	86°C
Vicat Softening Point (10N, 50°C/h)	D 1525	102°F
Vicat Softening Point (50N, 50°C/h)	D 1525	95°C
Water Absorption	D 570	< 0.1%
Rockwell Hardness (scale L/M)	D 785	L65
Surface Resistance	IP-WI-14**	10 ³ - 10 ⁵ Ω/sq

* This information reflects typical values and are not to be construed as specifications

** Test performed according to Impact Plastics (IP) test method

Approvals

1. Please contact your Impact Plastics sales representative for material certifications.
2. SDS sheets available upon request to help customers satisfy their safety needs

Customization

- Monolayer extrusion & cut sheet
- Black
- Specialty Topical Additive Coating

Certifications

1209-ESD is manufactured in a plant whose Quality Management System is certified as being in conformity with ISO 9001:2015 and FSSC 22000 V5.0 Food Packaging Material Manufacturing (Impact South only).



* All tests were run under laboratory conditions, ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of Impact products must be guided by the users own methods for selection of proper formulation. Impact Plastics disclaims any responsibility for misuse or misapplication of its products. Impact Plastics makes no warranty of merchantability and there is no warranty that goods supplied shall be fit for any particular purpose. Impact's liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-conforming goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material for which damage is claimed.