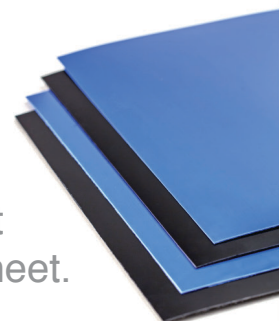




1207-ESD

Impact 1207-ESD has been designed to impart excellent anti-static properties to extruded High Impact Polystyrene sheet.



A permanent internal anti-static agent, 1207-ESD assists in eliminating electrostatic problems in extruded sheet film.

1207-ESD
Surface Resistivity Performance vs.
Standard High Impact Sheet Film

Grade 1207	surface resistivity (in ohms / square)	surface resistivity natural HIPS (in ohms / square)
1207-6	10^{13}	$10^{18} - 10^{20}$
1207-8	10^{12}	$10^{18} - 10^{20}$
1207-12	10^{12}	$10^{18} - 10^{20}$
1207-16	10^{11}	$10^{18} - 10^{20}$

*Test plaques were cured for 72 hours. Surface resistivity testing was conducted in accordance with ASTM D-257 with room conditions at 21°C and 60% relative humidity.

Melt Flow	ASTM Test	Typical Value
Flow gm / 10 min., 200 / 5.0	D-1238	2.7
Impact Properties	ASTM Test	Typical Value
Falling Dart in / lbs.	-	85
Izod, ft. lbs. / in notch	D-256	2.0
Tensile Properties	ASTM Test	Typical Value
Strength, psi	D-638	4,000
Modulus, psi (10^5)	D-638	3.1
Elongation %	D-638	40
Flexural Properties	ASTM Test	Typical Value
Strength, psi	D-790	8,200
Modulus, psi (10^5)	D-790	3.7
Thermal Properties	ASTM Test	Typical Value
Heat Distortion, °F Annealed	D-648	197
Vicat Softening, °F	D-1525	210
Other Properties	ASTM Test	Typical Value
Gloss	D-523, 60°	82

Approvals

1. 1207 complies with FDA requirements as amended in regulation 21 part 177.1640.
2. 1207 has passed 94HB underwriters laboratory with yellow card approvals available upon request.
3. SDS sheets available upon request to help customers satisfy their safety needs.

Revision Date:
03/21/18



* 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.