

IMPACT

m u l t i p l e s

Impact Multiples combines advanced resin technology with state-of-the-art sheet extrusion systems to produce multi-layer super tough High Impact sheet. Impact 1210 was developed to prevent drop test failures in critical tool design, preventing last minute modifications and costly production delays. Impact Multiples have an unparalleled success throughout the cosmetic, food, and medical packaging markets. Impact Multiples utilizes a proprietary extrusion system to synchronize orientation levels and increases product elongation and Impact strength.

Melt Flow	ASTM Test	Typical Value
Flow gm/10 min., 200/5.0	D-1238	3.5

Impact Properties	ASTM Test	Typical Value
Falling/Dart in/lbs	-	120
Izod, ft. lbs/in notch	D-256	2.6

Tensile Properties	ASTM Test	Typical Value
Strength, psi	D-638	3,200
Modulus, psi (10 ⁵)	D-638	2.7
Elongation %	D-638	45

Flexural Properties	ASTM Test	Typical Value
Strength, psi	D-790	6,300
Modulus, psi (10 ⁵)	D-790	3.4

Thermal Properties	ASTM Test	Typical Value
Heat Distortion, °F Annealed	D-648	190
Vicat Softening, °F	D-1525	202

Other Properties	ASTM Test	Typical Value
Gloss	D-523, 60°	84

Approvals

1. 1210 complies with FDA requirements as amended in regulation 21 part 177.1640.
2. 1210 has passed 94HB Underwriters Laboratory with yellow card approvals available upon request.
3. Material Safety Data Sheets are available to help customers satisfy their safety needs.



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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 result that may be obtained elsewhere. The use of Impact products must be guided by the user's own methods for selection of proper formulation. Impact Plastics disclaims any responsibility for misuse or misapplication of its products. Impact MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE OR payment not to exceed the purchase price plus transportation charges thereon in respect to any material for which damage is claimed.