

RAMOLENE

PS003

POLYSTYRENE PS003 is a high impact polystyrene designed specifically for extrusion/thermoforming. The polymer's balanced properties and processing characteristics make it especially suitable for industrial packaging deep draw thermoforming and custom multilayer sheet extrusion. Over the years this popular resin has established itself as the standard extrusion grade high impact polystyrene.

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<u>Resin Properties *</u>	<u>Typical Value</u>	<u>ASTM Method</u>
Flow gm/10 min., 200/5.0	3.0	D-1238
<u>Impact Properties</u>		
Falling Dart, in-lb	125	D-3029
Izod, ft-lbs/in, notched	2.2	D-256
<u>Tensile Properties</u>		
Strength, psi	3,500	D-638
Modulus, psi (10^5)	3	D-638
Elongation, %	55	D-638
<u>Flexural Properties</u>		
Strength, psi	6,900	D-790
Modulus, psi (10^5)	3.2	D-790
<u>Thermal Properties</u>		
Heat Distortion, °F Annealed	201	D-648
Vicat Softening, °F	210	D-1525
<u>Other Properties</u>		
Gloss, 60°	70	D-523

This material complies with FDA requirements as decrepited in 21 CFR 177.1640.

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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 results that may be obtained elsewhere. The use of Ramtech's products must be guided by the user's own methods for selection of proper formulation. RAMTECH OVERSEAS, INC. disclaims any responsibility for misuse or misapplication of its products. Ramtech makes no warranty of merchantability and there is no warranty that goods supplied shall be fit for any particular purpose