

RAMOLENE

PS004

POLYSTYRENE PS004 is an impact polystyrene designed for extrusion and injection molding. It is especially suitable for extrusion thermoforming applications requiring high glass and high stiffness, such as food service disposables. A unique combination of thermal characteristics favors PS004 for fast injection cycles in high gloss small appliance and electronics applications.

P	<u>Resin Properties *</u>	<u>Typical Value</u>	<u>ASTM Method</u>
O	Flow gm/10 min., 200/5.0	4.0	D-1238
L	<u>Impact Properties</u>		
Y	Falling Dart, in-lb	125	D-3029
S	Izod, ft-lbs/in, notched	1.9	D-256
T	<u>Tensile Properties</u>		
Y	Strength, psi	4,300	D-638
R	Modulus, psi (10^5)	3.4	D-638
E	Elongation, %	45	D-638
N	<u>Flexural Properties</u>		
E	Strength, psi	8,300	D-790
	Modulus, psi (10^5)	3.7	D-790
	<u>Thermal Properties</u>		
	Heat Distortion, °F Annealed	203	D-648
	Vicat Softening, °F	210	D-1525
	<u>Other Properties</u>		
	Gloss, 60°	90	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