

RAMOLENE

PS008

Polystyrene PS008 is the high impact polystyrene for injection molding. The polymer's ability to be molded on fast cycles with minimal stresses results in outstanding impact retention.

Applications such as appliance housings, housewares, toys, and structural foam require this polymer to produce consistent parts. Advanced rubber particle size control makes PS008 the choice for all high gloss applications.

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<u>Melt Flow</u>	<u>Typical Value</u>	<u>ASTM Method</u>
Flow gm/10 min., 200/5.0	8.0	D-1238
<u>Impact Properties</u>		
Falling Dart, in-lb	125	D-3029
Izod, ft-lbs/in, notched	2.0	D-256
<u>Tensile Properties</u>		
Strength, psi	3,600	D-638
Modulus, psi (10^5)	3.3	D-638
Elongation, %	50	D-638
<u>Flexural Properties</u>		
Strength, psi	6,700	D-790
Modulus, psi (10^5)	3.4	D-790
<u>Thermal Properties</u>		
Heat Distortion, °F Annealed	196	D-648
Vicat Softening, °F	205	D-1525
<u>Other Properties</u>		
Gloss, 60°	88	D-523

This material complies with FDA requirements as decreed 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.