

RAMOLENE

PS009

Polystyrene PS009 is a crystal polystyrene for both injection molding and cap layer co-extrusion. Injection molding applications such as medical and laboratory parts, tumblers and jewel boxes demonstrate the polymer's ability to be molded with minimal stresses and fast cycles. Utilizing PS009 as a cap layer in cups, plates and other consumer disposables takes advantage of this polymer's melt rheology.

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<u>Resin Properties *</u>	<u>Typical Value</u>	<u>ASTM Method</u>
Flow gm/10 min., 200/5.0	9.0	D-1238
<u>Impact Properties</u>		
Falling Dart, in-lb	-----	D-3029
Izod, fl-lbs/in, notched	-----	D-256
<u>Tensile Properties</u>		
Strength, psi	6,700	D-638
Modulus, psi (10^5)	4.4	D-638
Elongation, %	-----	D-638
<u>Flexural Properties</u>		
Strength, psi	13,500	D-790
Modulus, psi (10^5)	5	D-790
<u>Thermal Properties</u>		
Heat Distortion, °F Annealed	206	D-648
Vicat Softening, °F	213	D-1525

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.