

RAMOLENE

PS013

Polystyrene PS013 is a medium impact polystyrene with balanced physical properties.

This polymer is utilized in applications such as scale models, toys, housewares, and containers requiring consistency from shot to shot. Thin walled parts with complex runners and gates, run fast and consistently with easy flow of PS013. The natural whiteness of PS013 allows for brightness of color matches. PS013 is the base carrier of choice for many color concentrate producers.

P O L Y S T Y R E N E	<u>Resin Properties *</u>	<u>Typical Value</u>	<u>ASTM Method</u>
	Flow gm/10 min., 200/5.0	13.0	D-1238
	<u>Impact Properties</u>		
	Falling Dart, in-lb	100	D-3029
	Izod, fl-lbs/in, notched	1.4	D-256
	<u>Tensile Properties</u>		
	Strength, psi	3,600	D-638
	Modulus, psi (10^5)	3.6	D-638
	Elongation, %	45	D-638
	<u>Flexural Properties</u>		
	Strength, psi	6,500	D-790
	Modulus, psi (10^5)	3.4	D-790
	<u>Thermal Properties</u>		
	Heat Distortion, °F Annealed	190	D-648
Vicat Softening, °F	198	D-1525	
<u>Other Properties</u>			
Gloss, 60°	95	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