

## Total PSI 960E Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

**Material Notes:**

Polystyrene 960E is a high impact polystyrene designed for extrusion/thermoforming applications that require exceptional resistance to attack from fats and oils. This ESCR material is used for lids and containers for salad dressings, gravies, and high fat dairy products.

Information provided by Total Petrochemicals, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-PSI-960E-Polystyrene.php](http://www.lookpolymers.com/polymer_Total-PSI-960E-Polystyrene.php)

Physical Properties	Metric	English	Comments
Melt Flow	3.8 g/10 min	3.8 g/10 min	ASTM D1238
	@Load 5.00 kg, Temperature 200 °C	@Load 11.0 lb, Temperature 392 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.2 MPa	2500 psi	ASTM D638
Elongation at Yield	65 %	65 %	ASTM D638
Tensile Modulus	1.59 GPa	230 ksi	ASTM D638
Flexural Strength	34.5 MPa	5000 psi	ASTM D790
Flexural Modulus	1.65 GPa	240 ksi	ASTM D790
Izod Impact, Notched	1.55 J/cm	2.90 ft-lb/in	ASTM D256
Falling Dart Impact	13.6 J	10.0 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	94.4 °C	202 °F	Heat Distortion, Annealed; ASTM D648
Vicat Softening Point	98.3 °C	209 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Gloss	60 %	60 %	60°; ASTM D523

## Contact Songhan Plastic Technology Co.,Ltd.

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