

## Total PSI 975E Polystyrene

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

**Material Notes:**

Polystyrene 975E is a high impact polystyrene designed for extrusion/thermoforming applications. The food ESCR properties of 975E dictate its use for dairy applications that are subjected to high butter fat. The matte finish of 975E makes it useful in a variety of custom sheet applications. Other features include excellent processability, low gloss and FDA compliance. Information provided by Total Petrochemicals, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-PSI-975E-Polystyrene.php](http://www.lookpolymers.com/polymer_Total-PSI-975E-Polystyrene.php)

Physical Properties	Metric	English	Comments
Melt Flow	2.8 g/10 min @Load 5.00 kg, Temperature 200 °C	2.8 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.9 MPa	2600 psi	ASTM D638
Elongation at Yield	55 %	55 %	ASTM D638
Tensile Modulus	1.72 GPa	250 ksi	ASTM D638
Flexural Strength	40.0 MPa	5800 psi	ASTM D790
Flexural Modulus	1.65 GPa	240 ksi	ASTM D790
Izod Impact, Notched	1.23 J/cm	2.30 ft-lb/in	ASTM D256
Falling Dart Impact	11.3 J	8.33 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	92.2 °C	198 °F	Heat Distortion, Annealed; ASTM D648
Vicat Softening Point	97.8 °C	208 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Gloss	55 %	55 %	60°; ASTM D523

## Contact Songhan Plastic Technology Co.,Ltd.

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