

## Solvay Engineered Polymers INDURE™ E1500 HG TPO (discontinued \*\*)

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO) , Polyolefin

### Material Notes:

Description: INDURE™ E1500 HG is a thermoplastic olefinic elastomer (TPO) designed for high-gloss thermoformed applications where excellent gloss retention after forming is required. This material is available in both UV-stabilized and non-UV-stabilized variants. The material is designed for use as a coextrusion cap layer with other extrusion-grade TPOs from Solvay Engineered Polymers. Applications: High-gloss, thermoformed interior and exterior parts. Information provided by Solvay Engineered Polymers. LyondellBasell acquired Solvay Engineered Polymers in 2008. This grade is not part of the current LyondellBasell product line.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Engineered-Polymers-INDURE-E1500-HG-TPO-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Solvay-Engineered-Polymers-INDURE-E1500-HG-TPO-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D792B
Melt Flow	2.0 g/10 min	2.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	30.0 MPa	4350 psi	IV 2 in/min; ASTM D638
Elongation at Yield	13 %	13 %	ASTM D638
Flexural Modulus	1.01 GPa	146 ksi	1% SEC, 0.05 in/min; ASTM D790
Izod Impact, Notched	0.395 J/cm	0.740 ft-lb/in	CB; ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	73.9 °C	165 °F	ASTM D648

Optical Properties	Metric	English	Comments
Gloss	>= 85 %	>= 85 %	60°C Gardner Gloss, smooth sheet, after forming; ASTM D523
	>= 85 %	>= 85 %	60°C Gardner Gloss, smooth sheet, before forming; ASTM D523

## Contact Songhan Plastic Technology Co.,Ltd.

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