

## Ineos ABS Lustran® 266 Specialty, Transparent (discontinued \*\*)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Transparent, Molded

### Material Notes:

A clear injection molding grade of ABS. This transparent, general-purpose grade provides clarity and toughness with ease of processing. Used in housings, toys, lawn and garden applications, and various consumer products. Information provided by Bayer Corporation, Plastics Division LANXESS was spun-off from Bayer in early 2005. Business renamed Ineos ABS after INEOS acquires a majority shareholding under a JV with Lanxess in 2007. Subsequently Ineos acquired 100% of Ineos ABS. This product is no longer listed as a standard NAFTA product.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ineos-ABS-Lustran-266-Specialty-Transparent-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-266-Specialty-Transparent-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in <sup>3</sup>	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	ASTM D955
Melt Flow	5.0 g/10 min @Load 3.80 kg, Temperature 230 °C	5.0 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	108	108	ASTM D785
Tensile Strength, Ultimate	29.0 MPa	4210 psi	ASTM D638
Tensile Strength, Yield	37.0 MPa	5370 psi	ASTM D638
Elongation at Break	48 %	48 %	ASTM D638
Tensile Modulus	2.00 GPa	290 ksi	ASTM D638
Flexural Yield Strength	58.6 MPa	8500 psi	ASTM D790
Flexural Modulus	1.80 GPa	261 ksi	ASTM D790
Izod Impact, Notched	1.80 J/cm @Thickness 3.17 mm	3.37 ft-lb/in @Thickness 0.125 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	121 µm/m-°C @Temperature 20.0 °C	67.2 µin/in-°F @Temperature 68.0 °F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	94.0 °C @Thickness 12.7 mm	201 °F @Thickness 0.500 in	Unannealed; ASTM D648

Thermal Properties	Metric	English	Comments
Strength at 1.8 MPa (264 psi)	82.0 °C @Thickness 12.7 mm	180 °F @Thickness 0.500 in	ASTM D638; ASTM D648
UL RTI, Electrical	60.0 °C @Thickness 1.60 mm	140 °F @Thickness 0.0630 in	UL746B
UL RTI, Mechanical with Impact	60.0 °C @Thickness 1.60 mm	140 °F @Thickness 0.0630 in	UL746B
UL RTI, Mechanical without Impact	60.0 °C @Thickness 1.60 mm	140 °F @Thickness 0.0630 in	UL746B
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	
	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Optical Properties	Metric	English	Comments
Refractive Index	1.52	1.52	ASTM D542
Haze	3.0 %	3.0 %	0.100 in; ASTM D1003
Transmission, Visible	86 % @Thickness 2.50 mm	86 % @Thickness 0.0984 in	ASTM D1003

Processing Properties	Metric	English	Comments
Melt Temperature	205 - 230 °C	401 - 446 °F	

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