

## Ineos ABS Lustran® LGA-SF (discontinued \*\*)

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

### Material Notes:

Key Features:UnfilledSuitable processing methods:Injection moldingInformation provided by Bayer Polymers.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.

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in <sup>3</sup>	
Melt Flow	25 g/10 min @Load 10.0 kg, Temperature 220 °C	25 g/10 min @Load 22.0 lb, Temperature 428 °F	cm <sup>3</sup> /10 min.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.5 MPa	5870 psi	
Elongation at Break	26 %	26 %	Nominal
Elongation at Yield	3.4 %	3.4 %	
Tensile Modulus	2.13 GPa	309 ksi	
Charpy Impact, Notched	2.10 J/cm <sup>2</sup>	9.99 ft-lb/in <sup>2</sup>	
	0.650 J/cm <sup>2</sup> @Temperature -30.0 °C	3.09 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	92.0 µm/m-°C @Temperature 20.0 °C	51.1 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	87.0 °C	189 °F	
Deflection Temperature at 1.8 MPa (264 psi)	74.0 °C	165 °F	
Vicat Softening Point	94.0 °C	201 °F	50°C/h 50N

Processing Properties	Metric	English	Comments
Melt Temperature	250 °C	482 °F	Injection Molding

Processing Properties	Metric	English	Comments
Injection Velocity	200 mm/sec	7.87 in/sec	
Injection Pressure	55.0 MPa	7980 psi	

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