

## Ineos ABS Lustran® ABS 241 ABS, Blending Grade

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

### Material Notes:

Lustran® ABS 241 resin is a natural, stiffer-flow, virgin blending grade of ABS (acrylonitrile butadiene styrene). It is designed for use with other high-impact ABS resins for drain, waste, and vent (DWV) pipe and fittings. Lustran® ABS 241 resin in natural color (000000) meets or exceeds ASTM D 3965 1-1-2-2-2 cell class requirements. It is also listed under NSF Standard 14.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ineos-ABS-Lustran-ABS-241-ABS-Blending-Grade.php](http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-ABS-241-ABS-Blending-Grade.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	ASTM-D792
Melt Flow	15 g/10 min @Load 10.0 kg, Temperature 290 °C	15 g/10 min @Load 22.0 lb, Temperature 554 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	39.0 MPa	5660 psi	ASTM-D638
Tensile Modulus	2.50 GPa	363 ksi	ASTM-D638
Izod Impact, Notched	0.800 J/cm @Thickness 3.20 mm, Temperature -30.0 °C	1.50 ft-lb/in @Thickness 0.126 in, Temperature -22.0 °F	ASTM-D256
	1.39 J/cm @Thickness 3.20 mm, Temperature 23.0 °C	2.60 ft-lb/in @Thickness 0.126 in, Temperature 73.4 °F	ASTM-D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	102 °C @Thickness 6.40 mm	216 °F @Thickness 0.252 in	ASTM-D648

Processing Properties	Metric	English	Comments
Melt Temperature	232 - 243 °C	450 - 469 °F	Injection Molding
	232 - 243 °C	450 - 469 °F	Extrusion
Mold Temperature	43.0 - 66.0 °C	109 - 151 °F	Injection Molding
Drying Temperature	82.0 - 93.0 °C @Time 7200 sec	180 - 199 °F @Time 2.00 hour	

Processing Properties	Metric	English	Comments
Dew Point	<= -29.0 °C	<= -20.2 °F	inlet air

Descriptive Properties	Value	Comments
Injection Pressure	Moderately High to High, Injection Molding	
Injection Speed	Moderate to Fast	Injection Molding
Screw Compression Ratio	2.4-2.8:1	Extrusion
Screw Length-to-Diameter Ratio	24-36:1	Extrusion

## Contact Songhan Plastic Technology Co.,Ltd.

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