

## Ineos ABS Lustran® Ultra 4115 ABS Pellets (a-methylstyrene-SAN / PC-modified), Very High Heat Grade

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

### Material Notes:

Lustran® Ultra 4115 is very high heat grade with high impact resistance and is PC-modified. It is used for the production of molded plastic articles.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ineos-ABS-Lustran-Ultra-4115-ABS-Pellets-a-methylstyrene-SAN-PC-modified-Very-High-Heat-Grade.php](http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-Ultra-4115-ABS-Pellets-a-methylstyrene-SAN-PC-modified-Very-High-Heat-Grade.php)

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage, Flow	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	Test Condition: 150x105x3; acc. ISO 2577
Linear Mold Shrinkage, Transverse	0.0060 - 0.0080 cm/cm	0.0060 - 0.0080 in/in	Test Condition: 150x105x3; acc. ISO 2577
Melt Flow	12 g/10 min @Load 5.00 kg, Temperature 260 Å°C	12 g/10 min @Load 11.0 lb, Temperature 500 Å°F	ISO 1133

Mechanical Properties	Metric	English	Comments
Ball Indentation Hardness	100 MPa	14500 psi	ISO 2039-1
Tensile Strength at Break	40.0 MPa	5800 psi	50 mm/min; ISO 527-1,-2
Tensile Strength, Yield	47.0 MPa	6820 psi	50 mm/min; ISO 527-1,-2
Elongation at Break	20 %	20 %	50 mm/min, Nominal; ISO 527-1,-2
	35 %	35 %	50 mm/min; acc. ISO 527-1,-2
Elongation at Yield	3.8 %	3.8 %	50 mm/min; ISO 527-1,-2
Tensile Modulus	2.25 GPa	326 ksi	1 mm/min; ISO 527-1,-2
Flexural Strength	70.0 MPa	10200 psi	2 mm/min; ISO 178
Flexural Modulus	2.20 GPa	319 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	12.0 kJ/m <sup>2</sup> @Temperature -30.0 Å°C	5.71 ft-lb/in <sup>2</sup> @Temperature -22.0 Å°F	ISO 180-1A
	40.0 kJ/m <sup>2</sup> @Temperature 23.0	19.0 ft-lb/in <sup>2</sup>	ISO 180-1A

Mechanical Properties	°C Metric	@Temperature 73.4 °F English	Comments
Charpy Impact, Notched	1.30 J/cm <sup>2</sup>	6.19 ft-lb/in <sup>2</sup>	ISO 179-1eA
	@Temperature -30.0 °C	@Temperature -22.0 °F	
	4.20 J/cm <sup>2</sup>	20.0 ft-lb/in <sup>2</sup>	ISO 179-1eA
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 µm/m-°C	44.4 µin/in-°F	ISO 11359-1,-2; Parallel to Flow
	@Temperature 23.0 - 55.0 °C	@Temperature 73.4 - 131 °F	
CTE, linear, Transverse to Flow	90.0 µm/m-°C	50.0 µin/in-°F	ISO 11359-1,-2
	@Temperature 23.0 - 55.0 °C	@Temperature 73.4 - 131 °F	
Deflection Temperature at 0.46 MPa (66 psi)	114 °C	237 °F	ISO 75-1,-2
Deflection Temperature at 1.8 MPa (264 psi)	108 °C	226 °F	ISO 75-1,-2
Vicat Softening Point	116 °C	241 °F	50°C/hour; ISO 306
	@Load 5.10 kg	@Load 11.2 lb	
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
Flame Spread	32 mm/min	1.3 in/min	US-FMVSS; ISO 3795
	@Thickness 2.00 mm	@Thickness 0.0787 in	
Glow Wire Test	700 °C	1290 °F	GWFI; IEC 60695-2-12
	@Thickness 2.00 mm	@Thickness 0.0787 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.00e+16 ohm-cm	3.00e+16 ohm-cm	IEC 60093
Surface Resistance	2.00e+16 ohm	2.00e+16 ohm	IEC 60093
Dielectric Constant	3.0	3.0	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
	3.0	3.0	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

Electrical Properties	Metric	English	Comments
Dissipation Factor	@Frequency 100 Hz	@Frequency 100 Hz	IEC 60250
	0.0084	0.0084	
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	IEC 60250
Comparative Tracking Index	600 V	600 V	Solution A, Rating; IEC 60112

Processing Properties	Metric	English	Comments
Melt Temperature	240 Â°C	464 Â°F	Injection Molding; ISO 294
Mold Temperature	70.0 Â°C	158 Â°F	Injection Molding; ISO 294
Injection Velocity	40.0 mm/sec	1.57 in/sec	Injection Molding; ISO 294

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China