

LG[®] H1500

Features: SEETEC H1500 is a high flow homopolymer suitable for injection molding applications. SEETEC H1500 exhibits a high flowability combined with a good mechanical property balance. SEETEC H1500 meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact.

Applications: Housewares, Toys

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D1505

Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238
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Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785

Tensile Strength, Yield	34.3 MPa	4980 psi	50mm/min; ASTM D638
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Elongation at Break	>= 500 %	>= 500 %	50mm/min; ASTM D638
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Flexural Modulus	1.47 GPa	213 ksi	ASTM D760
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Izod Impact, Notched	0.294 J/cm @Temperature 23.0 °C	0.551 ft-lb/in @Temperature 73.4 °F	ASTM D256
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Thermal Properties	Metric	English	Comments
Melting Point	130 - 170 °C	266 - 338 °F	

Deflection Temperature at 0.46 MPa (66 psi)	110 °C	230 °F	ASTM D648
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Vicat Softening Point	153 °C @Load 1.00 kg	307 °F @Load 2.20 lb	ASTM D1525
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Flash Point	>= 340 °C	>= 644 °F	
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Ignition Temperature	>= 350 °C	>= 662 °F	Autoignition
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Compliance Properties	Metric	English	Comments
FDA	Yes	Yes	See notes for details.