

Ineos ABS Lustran® SAN 31 51

Category : Polymer , Thermoplastic , SAN Polymer , Styrene Acrylonitrile (SAN), Transparent

Material Notes:

Key Features: Unfilled Suitable processing methods: Injection molding

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-SAN-31-51.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	
Melt Flow	21 g/10 min @Load 10.0 kg, Temperature 220 °C	21 g/10 min @Load 22.0 lb, Temperature 428 °F	cm ³ /10 min.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	59.0 MPa	8560 psi	
Elongation at Break	3.0 %	3.0 %	Nominal
Elongation at Yield	3.0 %	3.0 %	
Tensile Modulus	3.45 GPa	500 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	68.0 µm/m-°C @Temperature 20.0 °C	37.8 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	96.0 °C	205 °F	
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	UL Recognized
	HB @Thickness 3.00 mm	HB @Thickness 0.118 in	UL Recognized

Optical Properties	Metric	English	Comments
Transmission, Visible	80 %	80 %	Manufacturer states transparent but does not quantify

Processing Properties	Metric	English	Comments
Melt Temperature	240 °C	464 °F	Injection Molding

Processing Properties	Metric	English	Comments
Mold Temperature	60.0 A °C	140 A °F	Injection Molding
Injection Velocity	200 mm/sec	7.87 in/sec	
Injection Pressure	55.0 MPa	7980 psi	

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