

Ineos ABS Triax® 1180 ABS + Polyamide Blend (DAM) (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS)/Nylon Blend , Nylon

Material Notes:

Key Features: Unfilled High impact or high impact modified Suitable processing methods: Injection molding Information 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. This product is no longer listed as a standard NAFTA product.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Triax-1180-ABS-Polyamide-Blend-DAM-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	
Water Absorption	5.5 %	5.5 %	
Moisture Absorption at Equilibrium	1.5 %	1.5 %	23°C/50% R.H.
Linear Mold Shrinkage, Flow	0.010 cm/cm	0.010 in/in	
Linear Mold Shrinkage, Transverse	0.0090 cm/cm	0.0090 in/in	
Melt Flow	10 g/10 min @Load 5.00 kg, Temperature 250 °C	10 g/10 min @Load 11.0 lb, Temperature 482 °F	cm ³ /10 min.

Mechanical Properties	Metric	English	Comments
Tensile Modulus	1.69 GPa	245 ksi	
Charpy Impact, Notched	7.00 J/cm ²	33.3 ft-lb/in ²	
	1.30 J/cm ² @Temperature -30.0 °C	6.19 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	119 µm/m-°C @Temperature 20.0 °C	66.1 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	84.0 °C	183 °F	
Deflection Temperature at 1.8 MPa (264 psi)	54.0 °C	129 °F	
Vicat Softening Point	102 °C	216 °F	50°C/h 50N

Processing Properties	Metric	English	Comments
Melt Temperature	260 °C	500 °F	Injection Molding
Mold Temperature	80.0 °C	176 °F	Injection Molding
Injection Velocity	40.0 mm/sec	1.57 in/sec	

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