

## Ineos ABS Triax® DP 3155 ABS + Polyamide Blend (DAM) (discontinued \*\*)

Category : Polymer , Thermoplastic , ABS Polymer , Nylon

### Material Notes:

Key Features: Contains Filler 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.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ineos-ABS-Triax-DP-3155-ABS-Polyamide-Blend-DAM-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ineos-ABS-Triax-DP-3155-ABS-Polyamide-Blend-DAM-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in <sup>3</sup>	
Water Absorption	4.3 %	4.3 %	
Moisture Absorption at Equilibrium	0.95 %	0.95 %	23°C/50% R.H.
Linear Mold Shrinkage, Flow	0.0080 cm/cm	0.0080 in/in	
Linear Mold Shrinkage, Transverse	0.010 cm/cm	0.010 in/in	
Melt Flow	8.0 g/10 min @Load 5.00 kg, Temperature 280 °C	8.0 g/10 min @Load 11.0 lb, Temperature 536 °F	cm <sup>3</sup> /10 min.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	54.0 MPa	7830 psi	
Elongation at Break	25 %	25 %	Nominal
Elongation at Yield	3.3 %	3.3 %	
Tensile Modulus	3.20 GPa	464 ksi	
Charpy Impact Unnotched	10.0 J/cm <sup>2</sup>	47.6 ft-lb/in <sup>2</sup>	
	7.00 J/cm <sup>2</sup> @Temperature -30.0 °C	33.3 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	70.0 µm/m-°C @Temperature 20.0 °C	38.9 µin/in-°F @Temperature 68.0 °F	
CTE, linear, Transverse to Flow	90.0 µm/m-°C @Temperature 20.0 °C	50.0 µin/in-°F @Temperature 68.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	
Vicat Softening Point	163 °C	325 °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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