

Ineos ABS Centrex® 821 ASA Blend (discontinued **)

Category : Polymer , Thermoplastic , ASA Polymer , Acrylonitrile/Styrene/Acrylate (ASA), Unreinforced, Molded

Material Notes:

Key Features: Unfilled High impact or high impact modified Light stabilized or stable to light U.V. stabilized or stable to weather Heat stabilized or stable to heat 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-Centrex-821-ASA-Blend-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	
Melt Flow	7.4 g/10 min @Load 10.0 kg, Temperature 220 °C	7.4 g/10 min @Load 22.0 lb, Temperature 428 °F	cm ³ /10 min.

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	43.4 MPa	6290 psi	
Elongation at Break	20 %	20 %	Nominal
Elongation at Yield	3.0 %	3.0 %	
Tensile Modulus	2.48 GPa	360 ksi	
Charpy Impact, Notched	2.13 J/cm ²	10.1 ft-lb/in ²	
	0.180 J/cm ² @Temperature -30.0 °C	0.857 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)	94.0 °C	201 °F	
Deflection Temperature at 1.8 MPa (264 psi)	79.0 °C	174 °F	
Vicat Softening Point	100 °C	212 °F	50°C/h 50N
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	UL Recognized

Thermal Properties	Metric °C	English °F	Comments
	@Thickness 3.00 mm	@Thickness 0.118 in	UL Recognized

Processing Properties	Metric	English	Comments
Melt Temperature	250 °C	482 °F	Injection Molding
Mold Temperature	60.0 °C	140 °F	Injection Molding
Injection Velocity	200 mm/sec	7.87 in/sec	
Injection Pressure	60.0 MPa	8700 psi	

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