

Polimeri Europa SINKRAL B813 ABS, Impact Grade (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Impact Grade, Molded

Material Notes:

Symbol according to ISO 1043-1: ABS Grade designation according to ISO 2580-ABS 1,MG,095-04-35-15 Injection moulding grade, providing very high impact resistance, even at low temperatures. Used as a toughener in compounds with SAN resins and whenever high toughness is required. Unfilled. Suitable for Injection Molding. Supplied as pellets. Contains lubricant and release agent. ISO data. Information provided by Enichem Polimeri Europa now has Enichem's plastics businesses. This grade is no longer in the product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-SINKRAL-B813-ABS-Impact-Grade-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	
Water Absorption	1.0 %	1.0 %	
Moisture Absorption at Equilibrium	0.20 %	0.20 %	Humidity Absorption
Melt Flow	4.0 g/10 min @Load 10.0 kg, Temperature 220 °C	4.0 g/10 min @Load 22.0 lb, Temperature 428 °F	cm ³ /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	28.0 MPa	4060 psi	50 mm/min
Elongation at Break	30 %	30 %	Nominal
Elongation at Yield	3.5 %	3.5 %	50 mm/min
Tensile Modulus	1.40 GPa	203 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	
Charpy Impact, Notched	3.20 J/cm ²	15.2 ft-lb/in ²	
	1.90 J/cm ² @Temperature -30.0 °C	9.04 ft-lb/in ² @Temperature -22.0 °F	

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

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	74.0 °C	165 °F	
Vicat Softening Point	92.0 °C	198 °F	50°C/hr; 50N
Glass Transition Temp, Tg	107 °C	225 °F	10°C/min test
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	
Dielectric Strength	30.0 kV/mm	762 kV/in	
Comparative Tracking Index	600 V	600 V	

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