

Polimeri Europa SINKRAL B23 ABS, Heat Stabilized (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Heat Resistant, Molded

Material Notes:

Symbol according to ISO 1043-1: ABS Grade designation according to ISO 2580-ABS 1, MG, 105-04-16-25 High heat resistant grade with good impact resistance. Suitable for injection moulding and extrusion (profiles). Unfilled. Suitable for Injection Molding, Profile Extrusion. 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-B23-ABS-Heat-Stabilized-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	
Water Absorption	1.0 %	1.0 %	
Moisture Absorption at Equilibrium	0.20 %	0.20 %	Humidity Absorption
Melt Flow	2.7 g/10 min @Load 10.0 kg, Temperature 220 °C	2.7 g/10 min @Load 22.0 lb, Temperature 428 °F	cm ³ /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	48.0 MPa	6960 psi	50 mm/min
Elongation at Break	15 %	15 %	5 mm/min
Elongation at Yield	3.2 %	3.2 %	50 mm/min
Tensile Modulus	2.60 GPa	377 ksi	1 mm/min
Charpy Impact Unnotched	14.0 J/cm ²	66.6 ft-lb/in ²	
	11.0 J/cm ² @Temperature -30.0 °C	52.4 ft-lb/in ² @Temperature -22.0 °F	
Charpy Impact, Notched	0.700 J/cm ² @Temperature -30.0 °C	3.33 ft-lb/in ² @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	90.0 µm/m-°C @Temperature 20.0 °C	50.0 µin/in-°F @Temperature 68.0 °F	
Deflection Temperature at 0.46 MPa (66 psi)	102 °C	216 °F	

Thermal Properties (Tensile at 1.8 MPa (264 psi))	Metric	English	Comments
Vicat Softening Point	107 °C	225 °F	50°C/hr; 50N
Glass Transition Temp, Tg	120 °C	248 °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 Constant	2.7 @Frequency 100 Hz	2.7 @Frequency 100 Hz	
	3.1 @Frequency 1e+6 Hz	3.1 @Frequency 1e+6 Hz	
Dielectric Strength	30.0 kV/mm	762 kV/in	
Dissipation Factor	0.0065 @Frequency 1e+6 Hz	0.0065 @Frequency 1e+6 Hz	
	0.0090 @Frequency 100 Hz	0.0090 @Frequency 100 Hz	
Comparative Tracking Index	600 V	600 V	

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