

Polimeri Europa SINKRAL G320 ABS (discontinued **)

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

Material Notes:

Symbol according to ISO 1043-1: ABS Grade designation according to ISO 2580-ABS 1,MG,095-15-16-25 General purpose injection moulding grade with good impact resistance, good flow and high gloss. SINKRAL G320 is widely used for applications in the telecommunications industry, office equipment, electrical tools and consumer goods. Unfilled. Suitable for Injection Molding. Supplied as pellets. Contains lubricant and release agent. ISO data except as noted. 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-G320-ABS-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	5.0 g/10 min	5.0 g/10 min	Cond. I; ASTM D1238
	@Load 3.80 kg, Temperature 230 °C	@Load 8.38 lb, Temperature 446 °F	
	18 g/10 min	18 g/10 min	ISO 1133
	@Load 10.0 kg, Temperature 220 °C	@Load 22.0 lb, Temperature 428 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ASTM D785
Tensile Strength, Yield	46.0 MPa	6670 psi	50 mm/min
Elongation at Break	10 %	10 %	Nominal
Elongation at Yield	3.1 %	3.1 %	50 mm/min
Tensile Modulus	2.35 GPa	341 ksi	1 mm/min
Flexural Modulus	2.55 GPa	370 ksi	ASTM D790
Izod Impact, Notched	3.50 J/cm	6.56 ft-lb/in	ASTM D256
	@Thickness 3.17 mm	@Thickness 0.125 in	
Charpy Impact Unnotched	16.0 J/cm ²	76.1 ft-lb/in ²	
	11.0 J/cm ²	52.4 ft-lb/in ²	

Mechanical Properties	@Temperature -30.0 °C Metric	@Temperature -22.0 °F English	Comments
Charpy Impact, Notched	1.70 J/cm ²	8.09 ft-lb/in ²	
	0.700 J/cm ²	3.33 ft-lb/in ²	
	@Temperature -30.0 °C	@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	
Deflection Temperature at 0.46 MPa (66 psi)	93.0 °C	199 °F	
Deflection Temperature at 1.8 MPa (264 psi)	81.0 °C	178 °F	
Vicat Softening Point	98.0 °C	208 °F	50°C/hr; 50N
Glass Transition Temp, Tg	105 °C	221 °F	10°C/min test
Flammability, UL94	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	HB	HB	
	@Thickness 3.10 mm	@Thickness 0.122 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	3.0	3.0	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	3.2	3.2	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	30.0 kV/mm	762 kV/in	
Dissipation Factor	0.0080	0.0080	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.015	0.015	
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	600 V	600 V	

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