

Polimeri Europa SINKRAL D720 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,095-08-35-15 High impact injection moulding grade, with improved flow compared with SINKRAL B620 and a high gloss. Can be used to mould of helmets as well as in compounds with SAN for the production of 'tailored' ABS grades.Unfilled. Suitable for Injection Molding. Supplied as pellets. Contains lubricant and release agent.ISO data. Information provided by EnichemPolimeri 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-D720-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	7.0 g/10 min @Load 10.0 kg, Temperature 220 °C	7.0 g/10 min @Load 22.0 lb, Temperature 428 °F	cm ³ /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.0 MPa	4930 psi	50 mm/min
Elongation at Break	20 %	20 %	Nominal
Elongation at Yield	3.5 %	3.5 %	50 mm/min
Tensile Modulus	1.70 GPa	247 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	
Charpy Impact, Notched	3.00 J/cm ²	14.3 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	

Thermal Properties	@Temperature 20.0 °C Metric	@Temperature 68.0 °F English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	
Deflection Temperature at 1.8 MPa (264 psi)	76.0 °C	169 °F	
Vicat Softening Point	94.0 °C	201 °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	2.7	2.7	
	@Frequency 100 Hz	@Frequency 100 Hz	
	3.1	3.1	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	30.0 kV/mm	762 kV/in	
Dissipation Factor	0.0065	0.0065	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	0.0090	0.0090	
	@Frequency 100 Hz	@Frequency 100 Hz	
Comparative Tracking Index	600 V	600 V	

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