

Polimeri Europa SINKRAL F233 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, 105-15-16-25 Medium heat injection moulding grade having high flow and good thermal stability during processing. Widely used in the domestic appliance sector especially for intricate parts in close proximity to heat sources (front panels, frames of washing machines and dishwashers). 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-F233-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	12 g/10 min @Load 10.0 kg, Temperature 220 °C	12 g/10 min @Load 22.0 lb, Temperature 428 °F	cm ³ /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	46.0 MPa	6670 psi	50 mm/min
Elongation at Break	25 %	25 %	Nominal
Elongation at Yield	3.0 %	3.0 %	50 mm/min
Tensile Modulus	2.50 GPa	363 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	1.60 J/cm ²	7.61 ft-lb/in ²	
	0.600 J/cm ² @Temperature -30.0 °C	2.86 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)	97.0 °C	207 °F	
Deflection Temperature at 1.8 MPa (264 psi)	84.0 °C	183 °F	
Vicat Softening Point	101 °C	214 °F	50°C/hr; 50N
Glass Transition Temp, Tg	108 °C	226 °F	10°C/min test
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	HB	HB	
	@Thickness 3.00 mm	@Thickness 0.118 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	0.0070	0.0070	
	@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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