

Polimeri Europa SINKRAL A22V 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,095-25-09-25 Very high flow grade for fast cycle injection moulding. Particularly recommended for the domestic appliance industry (vacuum cleaners) and kitchen/bathroom accessories. 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-A22V-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	35 g/10 min @Load 10.0 kg, Temperature 220 °C	35 g/10 min @Load 22.0 lb, Temperature 428 °F	cm ³ /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	43.0 MPa	6240 psi	50 mm/min
Elongation at Break	10 %	10 %	Nominal
Elongation at Yield	3.1 %	3.1 %	50 mm/min
Tensile Modulus	2.50 GPa	363 ksi	1 mm/min
Charpy Impact Unnotched	11.0 J/cm ²	52.4 ft-lb/in ²	
	7.00 J/cm ² @Temperature -30.0 °C	33.3 ft-lb/in ² @Temperature -22.0 °F	
Charpy Impact, Notched	0.500 J/cm ² @Temperature -30.0 °C	2.38 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)	92.0 °C	198 °F	

Thermal Properties (Tensile at 1.8 MPa (264 psi))	Metric	English	Comments
Vicat Softening Point	97.0 °C	207 °F	50°C/hr; 50N
Glass Transition Temp, Tg	107 °C	225 °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	2.9	2.9	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	3.0	3.0	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	30.0 kV/mm	762 kV/in	
Comparative Tracking Index	600 V	600 V	

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