

Polimeri Europa SINKRAL B232/E ABS, Heat Stabilized (discontinued **)

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

Material Notes:

Symbol according to ISO 1043-1: ABS Grade designation according to ISO 2580-ABS 1,EGN,105-04-09-25 Extrusion and thermoforming grade with good thermal resistance, high stiffness and a very low volatiles and residual monomer content. Applications: films for food packaging due to its low yellow index and its high thermal stability,it is suitable for self-colouring. Unfilled. Suitable for Film Extrusion, Profile Extrusion, Sheet Extrusion, Blow Molding, Calendering, Thermoforming. Supplied as pellets.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-B232E-ABS-Heat-Stabilized-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	4.0 g/10 min @Load 10.0 kg, Temperature 220 °C	4.0 g/10 min @Load 22.0 lb, Temperature 428 °F	cm ³ /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	54.0 MPa	7830 psi	50 mm/min
Elongation at Break	15 %	15 %	Nominal
Elongation at Yield	2.9 %	2.9 %	50 mm/min
Tensile Modulus	2.65 GPa	384 ksi	1 mm/min
Charpy Impact Unnotched	11.0 J/cm ²	52.4 ft-lb/in ²	
	9.00 J/cm ² @Temperature -30.0 °C	42.8 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	100 °C	212 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	86.0 °C	187 °F	
Vicat Softening Point	105 °C	221 °F	50°C/hr; 50N
Glass Transition Temp, Tg	109 °C	228 °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 Strength	30.0 kV/mm	762 kV/in	
Comparative Tracking Index	600 V	600 V	

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