

Polimeri Europa Sinkral® D 232/M3 ABS Resin (discontinued **)

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

Special low gloss extrusion/ co-extrusion grade, with good flow. Designation: Thermoplastic ISO 2580-ABS 1, EGN, 105-08-09-

15Applications: Sinkral D 232-M3 is widely used in the extrusion / co-extrusion of foils, when a very high matt appearance is required, as well as in the extrusion of profiles. This grade is supplied in natural only for self-coloring. Sinkral D 232/M3 meets European Standards for plastics in contact with foods. Information provided by Polimeri EuropaISO 2580-ABS 1, EGN, 105-08-09-15

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Sinkral-D-232M3-ABS-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in³	ISO 1183
Water Absorption	0.30 %	0.30 %	24 hours - 23°C; ASTM D 570
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	
Melt Flow	8.0 g/10 min @Load 10.0 kg, Temperature 220 °C	8.0 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	97	97	ISO 2039/2
Tensile Strength, Yield	27.0 MPa	3920 psi	50 mm/min; ASTM D 638
Elongation at Break	100 %	100 %	50 mm/min; ASTM D 638
Flexural Strength	40.0 MPa	5800 psi	2 mm/min; ASTM D 790
Flexural Modulus	1.55 GPa	225 ksi	2 mm/min; ASTM D 790
Izod Impact, Notched	0.750 J/cm @Thickness 3.20 mm, Temperature -40.0 °C	1.41 ft-lb/in @Thickness 0.126 in, Temperature -40.0 °F	ISO 180/4A
	0.800 J/cm @Thickness 3.20 mm, Temperature -20.0 °C	1.50 ft-lb/in @Thickness 0.126 in, Temperature -4.00 °F	ISO 180/4A
	0.900 J/cm @Thickness 3.20 mm, Temperature 0.000 °C	1.69 ft-lb/in @Thickness 0.126 in, Temperature 32.0 °F	ISO 180/4A
	1.10 J/cm	2.06 ft-lb/in	ISO 180/4A

Mechanical Properties	Metric	English	Comments
Izod Impact, Notched (ISO)	7.00 kJ/m ²	3.33 ft-lb/in ²	ISO 180/1A
	@Thickness 4.00 mm, Temperature -40.0 °C	@Thickness 0.157 in, Temperature -40.0 °F	
	9.50 kJ/m ²	4.52 ft-lb/in ²	ISO 180/1A
	@Thickness 4.00 mm, Temperature 23.0 °C	@Thickness 0.157 in, Temperature 73.4 °F	
Charpy Impact Unnotched	NB	NB	DIN 53453
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	NB	NB	DIN 53453
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Charpy Impact, Notched	0.900 J/cm ²	4.28 ft-lb/in ²	DIN 53453
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 µm/m-°C	50.0 µin/in-°F	ASTM D 696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	0.170 W/m-K	1.18 BTU-in/hr-ft ² -°F	ASTM C 177
Deflection Temperature at 1.8 MPa (264 psi)	101 °C	214 °F	120°C/h; ASTM D 648
Vicat Softening Point	101 °C	214 °F	50 N - 120°C/h; ISO 306/B120
	106 °C	223 °F	10 N - 120°C/h; ISO 306/A120
Flammability, UL94	HB	HB	
	@Thickness 1.50 mm	@Thickness 0.0591 in	
Glow Wire Test	650 °C	1200 °F	IEC 60695-2-1
	@Thickness 3.00 mm	@Thickness 0.118 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	Dry; IEC 60093
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	Dry; IEC 60093
Dielectric Constant	3.1	3.1	Dry; IEC 60250
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	30.0 kV/mm	762 kV/in	Dry; IEC 60243

Electrical Properties	Metric	English	Comments
Dissipation Factor	@Frequency 1000 Hz	@Frequency 1000 Hz	dry; IEC 60250

Processing Properties	Metric	English	Comments
Melt Temperature	180 - 220 °C	356 - 428 °F	
Drying Temperature	80.0 °C	176 °F	No venting in an air circulating oven
Dry Time	2 - 4 hour	2 - 4 hour	No venting in an air circulating oven

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China