

## Polimeri Europa SINKRAL PD G523 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,095-15-25-20 High impact injection moulding grade. Other characteristics: good flow, excellent thermal stability during processing and easily painted. SINKRAL PD G523 is particularly suitable for large and complex parts subjected to high mechanical stress in automotive interiors. Also used in the production of fairings and paintable bodies of scooters and mopeds. 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-PD-G523-ABS-Impact-Grade-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-SINKRAL-PD-G523-ABS-Impact-Grade-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	
Water Absorption	1.0 %	1.0 %	
Moisture Absorption at Equilibrium	0.20 %	0.20 %	Humidity Absorption
Melt Flow	18 g/10 min @Load 10.0 kg, Temperature 220 °C	18 g/10 min @Load 22.0 lb, Temperature 428 °F	cm <sup>3</sup> /10 min

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	37.0 MPa	5370 psi	50 mm/min
Elongation at Break	35 %	35 %	Nominal
Elongation at Yield	2.8 %	2.8 %	50 mm/min
Tensile Modulus	2.10 GPa	305 ksi	1 mm/min
Charpy Impact Unnotched	NB	NB	
	18.0 J/cm <sup>2</sup> @Temperature -30.0 °C	85.7 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	
Charpy Impact, Notched	2.40 J/cm <sup>2</sup>	11.4 ft-lb/in <sup>2</sup>	
	1.30 J/cm <sup>2</sup> @Temperature -30.0 °C	6.19 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
	90.0 µm/m-°C	50.0 µin/in-°F	

<b>CTE, linear, Parallel to Flow Thermal Properties</b>	<b>Metric @ Temperature 20.0 °C</b>	<b>English @ Temperature 68.0 °F</b>	<b>Comments</b>
Deflection Temperature at 0.46 MPa (66 psi)	92.0 °C	198 °F	
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	
Vicat Softening Point	97.0 °C	207 °F	50°C/hr; 50N
Glass Transition Temp, Tg	108 °C	226 °F	10°C/min test
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

<b>Electrical Properties</b>	<b>Metric</b>	<b>English</b>	<b>Comments</b>
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	

## Contact Songhan Plastic Technology Co.,Ltd.

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