

Denka MALECCA K-510 ABS

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

A heat-resistant ABS resin based on "DENKA IP" – a Styrene-N-Phenylmaleimide copolymer. It has been designed as an easy-to-use resin by improving conventional heat-resistant ABS resins which had defects in terms of moldability, thermal stability, and impact resistance. Applications Mobile phones vehicle-mounted audio equipment automotive interior components home electric appliances OA equipment, etc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Denka-MALECCA-K-510-ABS.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 g/cc	1.08 g/cc	ASTM D792
Density	1.08 g/cc	0.0390 lb/in ³	ISO 1183
Melt Flow	20 g/10 min @Load 10.0 kg, Temperature 265 °C	20 g/10 min @Load 22.0 lb, Temperature 509 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ISO 2039-2
	114	114	ASTM D785
Tensile Strength at Break	40.0 MPa	5800 psi	ASTM D638
	41.0 MPa	5950 psi	50mm/min; ISO 527-2
Tensile Strength, Yield	38.0 MPa	5510 psi	ISO 527-2
Elongation at Break	21 %	21 %	ISO 527-2
Tensile Modulus	2.20 GPa	319 ksi	1mm/min; ISO 527-1
Flexural Strength	70.0 MPa	10200 psi	ISO 178
	71.0 MPa	10300 psi	15mm/min; ASTM D790
Flexural Modulus	2.05 GPa	297 ksi	15mm/min; ASTM D790
	2.10 GPa	305 ksi	2mm/min; ISO 178
Izod Impact, Notched	1.57 J/cm @Temperature 23.0 °C	2.94 ft-lb/in @Temperature 73.4 °F	ASTM D256
Charpy Impact, Notched	1.20 J/cm ²	5.71 ft-lb/in ²	ISO 179-2

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	107 °C	225 °F	ISO 75-2
	118 °C	244 °F	ASTM D648
Vicat Softening Point	131 °C	268 °F	50N; ISO 306
Flammability, UL94	HB	HB	

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