

Kostat BK-STAT 7048BK ABS Compound

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

BK-STAT Compounds are statically dissipative thermoplastics based on IDP (Inherently Dissipative Polymers) technology. This class of materials have distinctive advantages in hot spots and cleanliness requirements in comparison to other materials based on Hygroscopic Antistats, Inherently Conductive Polymer Coating, or Conductive Fillers such as carbon fibers and carbon blacks. BK-STAT Compounds exhibit superior property and processing characteristics compared with other competitive IDP based compounds. Special Features: Superior Permanent Static Dissipation Excellent Wear Resistance Humidity Insensitivity Exceptionally High Impact Resistance No Particle Generation Excellent Processibility Applications: Semiconductor Packaging LCD Packaging Electrical & Electronics Medical Devices Storage Disks Appliances Consumer Goods Clean Room Accessories

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kostat-BK-STAT-7048BK-ABS-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D792
Linear Mold Shrinkage	0.0050 - 0.0080 cm/cm	0.0050 - 0.0080 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	40.0 MPa	5800 psi	ASTM D638
Flexural Strength	50.0 MPa	7250 psi	ASTM D790
Flexural Modulus	1.77 GPa	257 ksi	ASTM D790
Izod Impact, Notched	1.70 J/cm	3.18 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	78.0 Å°C	172 Å°F	ASTM D648

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1.00e+9 - 1.00e+11 ohm	1.00e+9 - 1.00e+11 ohm	ASTM D257
Static Decay	<= 0.50 sec	<= 0.50 sec	5kV to 50V; FTMS 101C

Processing Properties	Metric	English	Comments
Drying Temperature	85.0 - 95.0 Å°C	185 - 203 Å°F	
Dry Time	3 - 4 hour	3 - 4 hour	

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