

## Kostat 7440 Conductive ABS Compound

Category : Polymer , Thermoplastic , ABS Polymer

**Material Notes:**

KOSTAT 7440 is a conductive thermoplastic compound based on Acrylonitrile Butadiene Styrene and a special carbon black. KOSTAT 7440 is not dependant on atmospheric conditions and is used for ESD injection molded products. Special Features This product exhibits high conductivity, easy processing, smooth sheet surface, and tight dimensional tolerances after injection molding. This makes KOSTAT 7440 suitable for various injection molding applications. Applications: KOSTAT 7440 is recommended for electronics packaging such as ESD Trays and other injection molded products.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kostat-7440-Conductive-ABS-Compound.php](http://www.lookpolymers.com/polymer_Kostat-7440-Conductive-ABS-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792
Linear Mold Shrinkage	0.0067 cm/cm	0.0067 in/in	
Melt Flow	7.0 g/10 min @Load 10.0 kg, Temperature 220 Â°C	7.0 g/10 min @Load 22.0 lb, Temperature 428 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	75	75	ASTM D785
Tensile Strength, Yield	55.0 MPa	7980 psi	ASTM D638
Elongation at Break	5.0 %	5.0 %	ASTM D638
Flexural Strength	65.0 MPa	9430 psi	ASTM D790
Flexural Modulus	5.47 GPa	793 ksi	ASTM D790
Izod Impact, Notched	0.400 J/cm	0.749 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	104 Â°C	219 Â°F	ASTM D648

Electrical Properties	Metric	English	Comments
Volume Resistivity	10000 ohm-cm	10000 ohm-cm	Kostat Rv
Surface Resistivity per Square	1e+05	1e+05	Kostat Rs

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Middle Barrel Temperature	188 - 210 Å°C	370 - 410 Å°F	
Front Barrel Temperature	210 - 232 Å°C	410 - 450 Å°F	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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