

Polyplastics Duracon® EB-10 Acetal Co-polymer (POM), Conductive, Antistatic

Category : Polymer , Thermoplastic , Acetal (POM)

Material Notes:

DURACON® is a crystalline thermoplastic acetal copolymer. The primary raw material trioxane, a trimer of formaldehyde. The thermoplastic adopts a copolymer structure in which polyoxymethylene (-C-O) and carbon-carbon (-C-C- bond) comonomer groups are incorporated into its main chain. Therefore the copolymer has superior chemical and thermal stability, compared with acetal homopolymer. Acetal co-polymer is well-balanced in terms of mechanical, chemical and thermal properties, and its superior moldability allows it to be widely employed in various industrial fields. Information provided by PolyPlastics.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyplastics-Duracon-EB-10-Acetal-Co-polymer-POM-Conductive-Antistatic.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|----------|
| Density | 1.43 g/cc | 0.0517 lb/in ³ | ISO 1183 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|-------------------------|-----------------------------|--------------|
| Tensile Strength, Ultimate | 55.0 MPa | 7980 psi | ISO 527-1, 2 |
| Elongation at Break | 3.0 % | 3.0 % | ISO 527-1, 2 |
| Flexural Strength | 95.0 MPa | 13800 psi | ISO 178 |
| Flexural Modulus | 3.00 GPa | 435 ksi | ISO 178 |
| Charpy Impact, Notched | 0.180 J/cm ² | 0.857 ft-lb/in ² | ISO 179/1eA |

| Thermal Properties | Metric | English | Comments |
|---|-----------------------------|----------------------------|-------------|
| CTE, linear | 110 µm/m-°C | 61.1 µin/in-°F | ISO 11359-2 |
| | @Temperature 23.0 - 55.0 °C | @Temperature 73.4 - 131 °F | |
| CTE, linear, Transverse to Flow | 110 µm/m-°C | 61.1 µin/in-°F | ISO 11359-2 |
| | @Temperature 23.0 - 55.0 °C | @Temperature 73.4 - 131 °F | |
| Deflection Temperature at 1.8 MPa (264 psi) | 95.0 °C | 203 °F | ISO 75-1, 2 |
| Flammability, UL94 | HB | HB | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|-----------|-----------|-----------|
| Volume Resistivity | 50 ohm-cm | 50 ohm-cm | IEC 60093 |
| Surface Resistance | 200 ohm | 200 ohm | IEC 60093 |

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