

Murtfeldt Murflor® + Bronze Polytetrafluoroethylene, 60% Bronze

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Bronze Filled

Material Notes:

The addition of 60% bronze to the base material reduces the expansion coefficient and gives lower sliding wear. Special Properties: • Lower sliding wear than Murflor® • Good slide properties • Low stick/slip effect • Higher compressive strength than Murflor® Information provided by Murtfeldt Kunststoffe GmbH & Co. KG.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Murtfeldt-Murflor-Bronze-Polytetrafluoroethylene-60-Bronze.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|--------------------------|------------|
| Density | 3.88 g/cc | 0.140 lb/in ³ | ISO 1183-1 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------------|----------------------------|----------------------------|---------------|
| Hardness, Shore D | 68 | 68 | DIN 53505 |
| Tensile Strength, Yield | 14.0 MPa | 2030 psi | ISO 527-1/-2 |
| Elongation at Break | 140 % | 140 % | ISO 527-1/-2 |
| Modulus of Elasticity | 1.38 GPa | 200 ksi | |
| Compressive Yield Strength | 10.5 MPa @Strain 1.00 % | 1520 psi @Strain 1.00 % | dry; ISO 604 |
| Charpy Impact, Notched | 1.10 J/cm ² | 5.23 ft-lb/in ² | ISO 179-1/1eA |
| Coefficient of Friction, Dynamic | 0.14 | 0.14 | |
| Sand Slurry | 0.50 | 0.50 | µm/km |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|--|--|-------------|
| CTE, linear | 95.0 µm/m-°C @Temperature 23.0 - 100 °C | 52.8 µin/in-°F @Temperature 73.4 - 212 °F | |
| Melting Point | 330 °C | 626 °F | ISO 11357-1 |
| Maximum Service Temperature, Air | 260 °C @Time 7.20e+7 sec | 500 °F @Time 20000 hour | |
| Minimum Service Temperature, Air | 300 °C @Time <=86400 sec | 572 °F @Time <=24.0 hour | |
| | -200 °C | -328 °F | |

| Thermal Properties mp, Tg | Metric | English | Comments |
|---------------------------|--------|---------|----------|
| Flammability, UL94 | V-0 | V-0 | |

| Electrical Properties | Metric | English | Comments |
|-----------------------|---------------------|---------------------|----------|
| Surface Resistance | $\geq 1.00e+13$ ohm | $\geq 1.00e+13$ ohm | |

| Compliance Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| FDA | No | No | |

| Descriptive Properties | Value | Comments |
|------------------------|--------|----------|
| Color | Bronze | |

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