



NYPLA INDUSTRIAL CO., LTD.

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Product Information

NYLOY[®] CM-5000 C805BFG

• Nylon • Thermal and electrical conductive halogen free flame retardant grade • Black

| PROPERTY | METHOD | UNIT | RESULT |
|--|------------|--------------------------|------------------|
| MECHANICAL | | | |
| Tensile Strength | ASTM D638 | kg/cm ² (MPa) | 770 (75.6) |
| Elongation | ASTM D638 | % | 1 |
| Flexural Strength | ASTM D790 | kg/cm ² (MPa) | 1200 (117.8) |
| Flexural Modulus | ASTM D790 | kg/cm ² (MPa) | 125000 (12266.9) |
| IZOD Impact, Notched 1/8" 23°C | ASTM D256 | kg-cm/cm (J/M) | 4.5 (44.1) |
| THERMAL | | | |
| Heat Deflection Temp (4.6kg/cm ²) (0.46MPa) | ASTM D648 | °C | 210 |
| Conductivity Through-plane In-plane | ASTM E1461 | W/m*K | 5 |
| ELECTRICAL | | | |
| Surface Resistance | ASTM D4496 | Ohm-P-SQ | 10 ⁵ |
| OTHER | | | |
| Density | ASTM D792 | g/cm ³ | 1.52 |
| Mold Shrinkage // flow | ASTM D955 | % | 0.3 |
| ⊥ flow | | % | 0.68 |
| Flammability | UL-94 | 3.2mm | V0 |
| REMARK | | | |
| (1)This data is for reference only. | | | |