

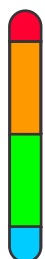
By adjusting the physical characteristics of the polyethylene terephthalate filaments, the engineers have produced a product with the same specifications of our MPT and the unique advantage of being able to cut the material with ordinary scissors and still maintain an extraordinarily fray-resistant end. It is ideal for field installers and other situations where access to a hot knife is impossible. MCC's fray-resistant properties allows frequent expansion at the cut-end without unraveling.

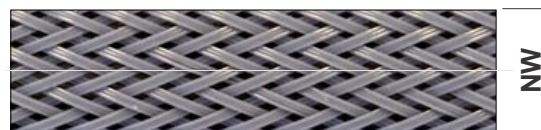


- Resists fraying when cut with scissors
- Increased braid density for fuller coverage
- Cut and abrasion resistant
- Halogen free
- Colours: Black BK / Grey GY



| TYPE | COLOUR |
|---------------------|-----------|
| MCC0.38BK.30 | 30 |
| NW | PU |

| | |
|--|---------------------------|
|  | Melt Point |
| | ASTM D-2117 |
| | 482°F (250°C) |
| | Maximum Continuous |
| Mil-I-23053 | |
| 257°F (125°C) | |
| Minimum Continuous | |
| -94°F (-70°C) | |



Specifications are subject to change without notice

| Order Number | Nominal Width | Minimum Diameter | | Maximum Diameter | | Weight | | Standard Spool Put-Ups | |
|--------------|---------------|------------------|--------|------------------|---------|---------|----------|------------------------|-----|
| | (NW) | (mm) | (in) | (mm) | (in) | Kg/100m | Lbs/100' | (M) | (F) |
| MCC0.13BK.30 | 1/8" | 3.2 | 1/8" | 6.4 | 1/4" | 0.59 | 0.40 | 30 | 100 |
| MCC0.25BK.30 | 1/4" | 4.0 | 5/32" | 11.1 | 7/16" | 0.68 | 0.46 | 30 | 100 |
| MCC0.38BK.30 | 3/8" | 4.8 | 3/16" | 15.9 | 5/8" | 1.10 | 0.74 | 30 | 100 |
| MCC0.50BK.30 | 1/2" | 6.4 | 1/4" | 19.1 | 3/4" | 1.22 | 0.82 | 30 | 100 |
| MCC0.75BK.22 | 3/4" | 15.9 | 5/8" | 25.4 | 1" | 1.65 | 1.11 | 22 | 75 |
| MCC1.00BK.15 | 1" | 19.1 | 3/4" | 30.2 | 1 3/16" | 1.84 | 1.24 | 15 | 50 |
| MCC1.25BK.15 | 1 1/4" | 25.4 | 1" | 38.1 | 1 1/2" | 2.32 | 1.56 | 15 | 50 |
| MCC1.50BK.15 | 1 1/2" | 31.8 | 1 1/4" | 50.8 | 2" | 2.75 | 1.85 | 15 | 50 |

Abrasion Test Data

- Abrasion resistance: **Medium**
- Abrasion test machine: **Taber 5150**
- Abrasion test wheel: **Calibrase H-18**
- Abrasion test load: **500g**
- Room temperature: **77°F**
- Humidity: **72%**
- A few strands beginning to pull out of sample: **550 test cycles**
- Small hole in material: **650 test cycles**
- Material wear out: **800 test cycles**
- Pre-test weight: **3,168.1 mg**
- Post-test weight: **2,771.9 mg**
- Test end loss of mass point of destruction: **396.2 mg**

Physical Properties

- Monofilament diameter *ASTM D-204*: **.008**
- Flammability rating: **UL94**
- Recommended cutting: **Scissors / Hot Knife**
- Colours: **2**
- Wall thickness: **.024**
- Tensile strength *ASTM D-2256 Lbs (Yarn)*: **6**
- Specific gravity *ASTM D-792*: **1.38**
- Moisture absorption% *ASTM D-570*: **.1-2**
- Hard vacuum data *ASTM E-595 at 10-5 torr*:
 - TML **.19**
 - CVCM **.00**
 - WVR **.16**
- Smoke D-Max *ASTM E-662*: **56**
- Outgassing: **Med**
- Oxygen index *ASTM D-2863*: **21**

MCC - Chemical Resistance Index

| | 5 | 4 | 3 | 2 | 1 | No Effect |
|----------------------------|---|---|---|---|---|-----------|
| Aromatic Solvents | | | | | | |
| Aliphatic Solvents | | | | | | |
| Chlorinated Solvents | | | | | | |
| Weak Bases | | | | | | |
| Salts | | | | | | |
| Strong Bases | | | | | | |
| Salt Water 0-S-1926 | | | | | | |
| Hydraulic Fluid MIL-H-5606 | | | | | | |
| Lube Oil MIL-L-7808 | | | | | | |
| De-Icing Fluid MIL-A-8243 | | | | | | |
| Strong Acids | | | | | | |
| Strong Oxidants | | | | | | |
| Esters/Ketones | | | | | | |
| UV Light | | | | | | |
| Petroleum | | | | | | |
| Fungus ASTM G-21 | | | | | | |