



# Polypropylene Monofilament



PPMOP4G2Z monofilament yarns are optimized for textile manufacturing, including knitting, weaving and braiding. The monofilament yarns

contain a water soluble spin finish suitable for textile processing and are available in clear and blue colors.

| Item          | Diameter, in (mm) | Titer, denier | Tenacity, g/d | Elongation, % | Shrinkage @ 120° C, % | Color      |
|---------------|-------------------|---------------|---------------|---------------|-----------------------|------------|
| PPMOP4G2Z-003 | 0.003 (0.08)      | 41            | 6.0           | 30            | 4.0                   | Clear/Blue |
| PPMOP4G2Z-004 | 0.004 (0.10)      | 65            | 6.0           | 30            | 4.0                   | Clear/Blue |
| PPMOP4G2Z-005 | 0.005 (0.125)     | 100           | 6.0           | 30            | 4.0                   | Clear/Blue |
| PPMOP4G2Z-006 | 0.006 (0.15)      | 145           | 6.0           | 30            | 4.0                   | Clear/Blue |
| PPMOP4G2Z-008 | 0.008 (0.20)      | 257           | 5.6           | 30            | 4.0                   | Clear/Blue |

$$D = \sqrt{d \div (7068.6 \times \rho)}$$

Solve for diameter

$D$  = filament diameter, mm

$d$  = filament denier

$\rho$  = density of polymer, g/cc (0.91 for Polypropylene)

$$d = D^2 \times 7068.6 \times \rho$$

Solve for denier

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