



Polyester Monofilament

Polyester monofilament yarns are suitable for textile manufacturing, including knitting, weaving and braiding. Some of the monofilament yarns contain a water soluble spin finish to aid textile processing.

Item	Spin Finish	Diameter, in (mm)	Titer, denier	Tenacity, g/d	Elong., %	Shrinkage @ 180°C, %	Color
9.5/1-HTPET-VT	Yes	0.0012 (0.03)	9.5	6.7	19	15	White
20/1-PET-VT	Yes	0.002 (0.05)	20	6.7	22	15	White
PETMO15089-004NF	No	0.004 (0.10)	100	5.0	32	3.0	Clear
PETMO15089G6-004NF	No	0.004 (0.10)	100	5.0	32	3.0	Green
PETMO15089-005NF	No	0.005 (0.125)	157	5.0	32	3.0	Clear
PETMO15089G6-005NF	No	0.005 (0.125)	157	5.0	32	3.0	Green
PETMO15089-006NF	No	0.006 (0.15)	227	5.0	32	3.0	Clear
PETMO15089G6-006NF	No	0.006 (0.15)	227	5.0	32	3.0	Green
PETMO15089-0145NF	No	0.0145 (0.37)	1323	5.0	32	3.0	Clear
PETMO15089-020NF	No	0.020 (0.50)	2517	5.0	32	3.0	Clear
PETMO15089-0354	Yes	0.0354 (0.90)	7887	4.0	32	8.0	Clear

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

Solve for diameter

D = filament diameter, mm

d = filament denier

ρ = density of polymer, g/cc (1.38 for Polyester)

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

Solve for denier

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