

# COLLINS COMPANY

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## Open Mesh Polypropylene

**Colors:** Green, Black, Royal Blue

Mechanical Properties	Test Method	Unit	Typical Roll Value	
			MD	CD
Grab Tensile Strength	ASTM D 4632	lbs	320	180
Trapezoid Tear Strength	ASTM D 4533	lbs	120	75
Shade		%	78	
Air Flow	ASTM D 737	cfm	>300	

Physical Properties	Test Method	Unit	Typical Roll Value
Weight	ASTM D 5261	oz/yd sq.	4.9
Fiber Content			100% PP

Thermal Properties	
Softening & Melting Temperature	Soften at 300-310 degrees Fahrenheit and melt at 325-335 degrees Fahrenheit.
Shrinkage	Shrinkage at boil, 3-9% Shrinkage at 250 degrees Fahrenheit, 5-12.5%
Flammability	Difficult to ignite and upon burning it melts to a head. Proper additives can produce flame retardancy.

Additional Properties	
Effects of Moisture	Polypropylene does not absorb moisture.
Abrasion Resistance	Polypropylene has excellent abrasion resistance.
Mildew & Insect Resistance	Insects and mildew do not attach to polypropylene.
Identification	Because of low specific gravity, polypropylene floats on water. Melting point: 325 to 335 degrees Fahrenheit.
Tensile Properties	Polypropylene monofilaments have an average tenacity range of 4-7 grams per denier. Polypropylene has an ultimate elongation of 14-30%

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