

Polypropylene

Properties

- *excellent chemical resistance
- *excellent corrosion resistance
- *easily fabricated
- *low moisture absorption
- *good impact resistance
- *good electrical properties

Homopolymer Polypropylene grade:

- Applications to 180 degrees F
- Excellent chemical resistance
- Resists most acids, alkalis and solvents
- Meets FDA 21CFR 177.1520
- USDA approved for meat and poultry

Co-Polymer Polypropylene grade

- High impact strength
- Good chemical resistance
- Resists low temperature cracking better than Homopolymer
- More pliable than homopolymer
- Meets FDA 21CFR 177.1520 for food contact

Colors are natural translucent, bright white, blue, black, & Euro-gray.
Colors not available in all thicknesses

Available are sheets and rods

POLYPROPYLENE

SHEETS, SLABS AND MASSIVE SHAPES

Tolerances

Gauges	Width/Length
1/8" - 1" +/- 5% (K-STRAN) 1" +/-10% (COMPRESSION MOLDED)	+1/2", -1/4"

Property	Units	ASTM	Nominal Value*
Density	g/cc	D1505	0.905
Tensile Strength @ Yield	p.s.i.	D638	>5,400
Elongation @ Yield	%	D638	9.0
Flexural Modulus	p.s.i.	D790	270,000
Durometer	Shore D	D785	42
Vicat Softening Temp.	°C	D1525	89
Notched Izod Impact	ft. lbs./in.	D256	1.3
Heat Deflection Temperature at 66 P.S.I.	°F	D648	203

King Polypropylene meets the standards established by FDA Reg. 21 CFR 177.1520 for all food contact applications.

*All values are determined on specimens prepared according to ASTM testing procedures (if applicable). Nominal values should not be interpreted as specifications.