

**CP450**  
**Performance Monolayer CPP Film Series**

**General Description**

The CP450 series of monolayer CPP films are no slip, virgin resin grades offering good clarity, gloss and heat sealing performance. These films are produced from a gamma ray resistant resin and are suitable for gamma ray sterilization applications at dosage levels under 10 kGy (x 1000 grays).

**TYPICAL PHYSICAL PROPERTIES (1.0MIL FILM)**

PROPERTY	Units	ASTM Test#	Typical Value
Haze	%	D1003	2.0
Gloss	45 <sup>0</sup>	D2457	85
Ultimate Tensile MD TD	psi	D882	6,500 5,500
Ultimate Elongation MD TD	%	D882	650 700
Secant Modulus MD TD	psi	D882	70,000 65,000
Coefficient Of Friction	gms	D1894	.18 - .25
Elmendorf Tear Strength MD TD	gms	D1922	20 90
Barrier O <sup>2</sup> (cc/100in <sup>2</sup> /day) H <sup>2</sup> O (gm/100in <sup>2</sup> /day)			180 0.8
Seal Initiation Temp. (S.I.T.)	<sup>0</sup> C		125
Yield	in <sup>2</sup> /lb		30,800

**CP450** 2-side sealable, containing no slip. Contains antiblock for processing purposes.

**Regulatory Compliance**

- FDA 21 CFR 177.1520 (c) 3.1a & food processing under conditions of use B through H described in Table 2 of 21 CFR 176.170 (c).
- FDA 21 CFR 179.45 (b) (4) in food irradiation applications where the dosage does not exceed 10 kGy.

**Typical Film Section**



RACO PP = Gamma Ray Resistant Random Copolymer

