

# Honeywell PCTFE P10000HS

Polychlorotrifluoroethylene

Honeywell

Message:

Honeywell PCTFE P-Series HS film is a copolymer poly-chlor-tri-fluoroethylene film. Honeywell PCTFE HS film has the ability to heat seal to itself utilizing impulse sealing methods.

General Information			
Features	Copolymer		
	Heat sealable		
Uses	Films		
Forms	Films		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.08	g/cm <sup>3</sup>	ASTM D792
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD	1030	MPa	ASTM D882
TD	1030	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	36.2	MPa	ASTM D882
TD: Fracture	32.8	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	240	%	ASTM D882
TD: Fracture	240	%	ASTM D882
Water Vapor Transmission	0.047	g/m <sup>2</sup> /24 hr	ASTM E96
Thermal	Nominal Value	Unit	Test Method
Peak Crystallization Temperature (DSC)	190	°C	ASTM D3418
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	100	%	ASTM D2863
Optical	Nominal Value	Unit	Test Method
Haze	< 1.0	%	ASTM D1003
Additional Information			

Yield: 1329 in<sup>2</sup>/lbTensile Strength @ Break, ASTM D 882, MD: 4500 to 6000 psiTensile Strength @ Break, ASTM D 882, TD: 4000 to 5500 psiElongation @ Break, ASTM 882, MD: 200 to 275%Elongation @ Break, ASTM 882, TD: 200 to 275%Secant Modulus, ASTM D 882, MD: 125000 to 175000 psiSecant Modulus, ASTM D 882, TD: 125000 to 175000 psiGraves Tear (initial), ASTM D 1004, MD: 325 to 425 g/milGraves Tear (initial), ASTM D 1004, TD: 325 to 425 g/milDimensional Stability, ASTM D1204, TD, 300°F, 10 min: <2% shrinkageDimensional Stability, ASTM D1204, MD, 300°F, 10 min: <2% shrinkageFlammability: Non-flammable

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