

Honeywell PCTFE P5000HS

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 ³	ASTM D792
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD	1380	MPa	ASTM D882
TD	1280	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	48.3	MPa	ASTM D882
TD: Fracture	34.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	200	%	ASTM D882
TD: Fracture	200	%	ASTM D882
Water Vapor Transmission	0.093	g/m ² /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: 2659 in²/lbTensile Strength @ Break, ASTM D 882, MD: 6000 to 8000 psiTensile Strength @ Break, ASTM D 882, TD: 4000 to 6000 psiElongation @ Break, ASTM 882, MD: 150 to 250%Elongation @ Break, ASTM 882, TD: 150 to 250%Secant Modulus, ASTM D 882, MD: 180000 to 220000 psiSecant Modulus, ASTM D 882, TD: 170000 to 200000 psiGraves Tear (initial), ASTM D 1004, MD: 325 to 375 g/milGraves Tear (initial), ASTM D 1004, TD: 300 to 350 g/milDimensional Stability, ASTM D1204, TD, 300°F, 10 min: <3% shrinkageDimensional Stability, ASTM D1204, MD, 300°F, 10 min: <3% shrinkageFlammability: Non-flammable

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