

Honeywell PCTFE P600TR

Polychlorotrifluoroethylene

Honeywell

Message:

Honeywell PCTFE P-Series TR film is a poly-chlor-tri-fluoroethylene homopolymer, high performance barrier film for industrial and electronics applications. It provides outstanding water vapor barrier and excellent chemical resistance.

General Information			
Features	Good chemical resistance		
	Barrier resin		
Uses	Films		
Forms	Films		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.10	g/cm ³	ASTM D792
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD	1380	MPa	ASTM D882
TD	1290	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	110	MPa	ASTM D882
TD: Fracture	51.7	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 100 μm	100	%	ASTM D882
TD: Fracture	250	%	ASTM D882
Water Vapor Transmission	0.42	g/m ² /24 hr	ASTM E96
Thermal	Nominal Value	Unit	Test Method
Peak Crystallization Temperature (DSC)	211	°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: 21896 in²/lbTensile Strength @ Break, ASTM D 882, MD: 12000 to 20000 psiTensile Strength @ Break, ASTM D 882, TD: 6000 to 9000 psiElongation @ Break, ASTM 882, MD: 70 to 130%Elongation @ Break, ASTM 882, TD: 200 to 300%Secant Modulus, ASTM D 882, MD: 175000 to 225000 psiSecant Modulus, ASTM D 882, TD: 170000 to 205000 psiGraves Tear (initial), ASTM D 1004, MD: 350 to 400 g/milGraves Tear (initial), ASTM D 1004, TD: 275 to 325 g/milDimensional Stability, ASTM D1204, TD, 300°F, 10 min: -8 to -13% shrinkageDimensional Stability, ASTM D1204, MD, 300°F, 10 min: +8 to +15% shrinkageFlammability: Non-flammable

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