

Honeywell PCTFE P800TR

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	2.07	g/cm ³	ASTM D792
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD	1030	MPa	ASTM D882
TD	896	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	58.6	MPa	ASTM D882
TD: Fracture	34.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	200	%	ASTM D882
TD: Fracture	250	%	ASTM D882
Water Vapor Transmission	0.78	g/m ² /24 hr	ASTM E96
Thermal	Nominal Value	Unit	Test Method
Peak Crystallization Temperature (DSC)	195	°C	ASTM D3418
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	100	%	ASTM D2863
Optical	Nominal Value	Unit	Test Method
Haze	< 0.50	%	ASTM D1003
Additional Information			

Yield: 17777 in²/lbTensile Strength @ Break, ASTM D 882, MD: 7000 to 10000 psiTensile Strength @ Break, ASTM D 882, TD: 4000 to 6000 psiElongation @ Break, ASTM 882, MD: 150 to 250%Elongation @ Break, ASTM 882, TD: 200 to 300%Secant Modulus, ASTM D 882, MD: 140000 to 160000 psiSecant Modulus, ASTM D 882, TD: 120000 to 140000 psiGraves Tear (initial), ASTM D 1004, MD: 300 to 350 g/milGraves Tear (initial), ASTM D 1004, TD: 250 to 325 g/milDimensional Stability, ASTM D1204, TD, 300°F, 10 min: -12 to -15% shrinkageDimensional Stability, ASTM D1204, MD, 300°F, 10 min: +12 to +15% shrinkageFlammability: Non-flammable

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

