

Honeywell PMP R100

Polymethylpentene

Honeywell

Message:

The Honeywell R-Series PMP film is made from polymethylpentene. It provides more toughness and heat resistance than standard polyolefins for release film applications. R-Series Film is available in the following colors: Blue and Clear.

General Information			
Features	Heat resistance, medium		
	Good toughness		
Uses	release film		
Appearance	Blue		
	Clear/transparent		
Forms	Films		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.908	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
With Metal-Dynamic	0.60		ASTM D1894
With self-dynamics	1.0		ASTM D1894
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD	600	MPa	ASTM D882
TD	662	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield	46.2	MPa	ASTM D882
TD: Fracture	30.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	180	%	ASTM D882
TD: Fracture	440	%	ASTM D882
Water Vapor Transmission	91	g/m ² /24 hr	ASTM E96
Additional Information			

Yield: 30512 in²/lbTensile Strength @ Yield, ASTM D 882, MD: 5700 to 7700 psiTensile Strength @ Break, ASTM D 882, TD: 3100 to 5700 psiElongation @ Break, ASTM 882, MD: 150 to 210%Elongation @ Break, ASTM 882, TD: 380 to 500%Secant Modulus, ASTM D 882, MD: 80000 to 94000 psiSecant Modulus, ASTM D 882, TD: 90000 to 102000 psiGraves Tear (initial), ASTM D 1004, MD: 220 to 280 g/milGraves Tear (initial), ASTM D 1004, TD: 220 to 280 g/milDimensional Stability, ASTM D1204, TD, 300°F, 10 min: <2% shrinkageDimensional Stability, ASTM D1204, MD, 300°F, 10 min: <1.5% shrinkageCoef of Friction, ASTM D1894, Vs Metal - Dynamic: 0.5 to 0.7Coef of Friction, ASTM D1894, Vs Itself - Dynamic: 0.8 to 1.2

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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



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