

ACLAR® 22C (10 mil)

Polychlorotrifluoroethylene

Honeywell

Message:

ACLAR® 22C (10 mil) is a polytrifluoroethylene (PCTFE) product. It can be processed by casting film and is available in North America, Europe or Asia Pacific. The main characteristics are: copolymer.

General Information			
UL YellowCard	E236381-230358		
Features	Copolymer		
	Barrier resin		
Forms	Particle		
Processing Method	cast film		
Physical	Nominal Value	Unit	Test Method
Density	2.08	g/cm ³	ASTM D1505
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD : 250 µm	1040	MPa	ASTM D882
TD : 250 µm	1040	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 250 µm	36.0	MPa	ASTM D882
TD: Yield, 250 µm	33.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Yield, 250 µm	240	%	ASTM D882
TD: Yield, 250 µm	240	%	ASTM D882
Water Vapor Transmission	0.047	g/m ² /24 hr	ASTM E96
Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity	0.22	W/m/K	ASTM C177
Flammability	Nominal Value	Unit	Test Method
Oxygen Index (0.254 mm)	100	%	ASTM D2863
Optical	Nominal Value	Unit	Test Method
Haze (254 µm)	1.0	%	ASTM D1003
Additional Information			

Yield, No Standard: 1.89 m²/kgTear Strength, ASTM D1004, Graves MD: 325 to 425 g/milTear Strength, ASTM D1004, Graves TD: 325 to 425 g/milCrystalline Melting Point, ASTM D4591: 190 °CDimensional Stability, ASTM D1204, MD: 2 %Dimensional Stability, ASTM D1204, TD: 2 %All film properties were tested as an average value.

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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

