

ACLAR® 22C

Polychlorotrifluoroethylene
Honeywell

Message:

ACLAR® 22C is a Polychlorotrifluoroethylene (PCTFE) product. It can be processed by encapsulating or thermoforming and is available in North America. Applications of ACLAR® 22C include coating applications, film, food contact applications and packaging. Characteristics include:
Flame Rated
Chemical Resistant
Clarity
Copolymer
Flame Retardant

General Information	
UL YellowCard	E236381-230358
Features	Copolymer
	Electrically Insulating
	Flame Retardant
	Good Chemical Resistance
	Good Dimensional Stability
	Good Flexibility
	Good Heat Seal
	Good Sterilizability
	High Clarity
	Moisture Barrier
Uses	Film
	Laminates
	Packaging
Agency Ratings	FDA 21 CFR 177.1380
Appearance	Clear/Transparent
Forms	Film
Processing Method	Encapsulating
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	2.11	g/cm ³	ASTM D1505
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	190	µm	ASTM D882
Secant Modulus			
1% Secant, MD	1000	MPa	

1% Secant, TD	1000	MPa	
Tensile Strength			ASTM D882
MD : Yield	34.5	MPa	
TD : Yield	34.5	MPa	
Tensile Elongation			ASTM D882
MD : Break	250	%	
TD : Break	250	%	
Dart Drop Impact	1200	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	1600	g	
TD	1600	g	
Thermal	Nominal Value	Unit	Test Method
Thermal Conductivity	0.22	W/m/K	ASTM C177
RTI Elec (0.140 mm)	50.0	°C	UL 746
RTI Str (0.140 mm)	50.0	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257
Volume Resistivity	1.0E+18	ohms·cm	ASTM D257
Arc Resistance (0.100 mm)	135	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.40 mm)	VTM-0		UL 94
Oxygen Index	100	%	ASTM D2863
Optical	Nominal Value	Unit	Test Method
Haze	1.0	%	ASTM D1003

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Recommended distributors for this material

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

