

ACLAM® TC100 (6 mil)

Polyolefin

Honeywell

Message:

Aclam® TC100 is a low temperature heat sealable lamination composed of a 2 mil (50µ) polyolefin heat seal layer and a 4 mil (100µ) proprietary Aclar® 11C film layer.

General Information			
UL YellowCard	E236381-230360		
Features	Heat sealable		
Forms	Particle		
Processing Method	cast film		
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction			ASTM D1894
With Metal-Dynamic	0.43		ASTM D1894
With metal-static	0.55		ASTM D1894
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
MD : 51 µm	1000	MPa	ASTM D882
TD : 51 µm	965	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Yield, 51 µm	38.6	MPa	ASTM D882
TD: Yield, 51 µm	27.6	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Yield, 51 µm	230	%	ASTM D882
TD: Yield, 51 µm	150	%	ASTM D882
Elmendorf Tear Strength			ASTM D1922
MD : 51 µm	500	g	ASTM D1922
TD : 51 µm	1600	g	ASTM D1922
Oxygen Permeability (23°C, 51 µm, 0% RH)	0.79	cm ³ · mm/m ² /atm/24 hr	ASTM D3985
Water Vapor Transmission Rate			ASTM F1249
50°C, 90% RH	0.26	g · mm/m ² /atm/24 hr	ASTM F1249
38°C, 100% RH	0.062	g · mm/m ² /atm/24 hr	ASTM F1249
Additional Information			

Yield, No Standard: 3.84 m²/kgUnderwriter's Laboratory, UL 94: VTM-1Coef of Friction, ASTM D1894, vs Metal - Dynamic: 0.4 to 0.45Coef of Friction, ASTM D1894, vs Metal - Static: 0.5 to 0.6

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