

# PureTherm® 1002C

PVC Film

Tekni-Films, a div of Tekni-Plex

## Message:

PureTherm® 1002C is a clear, rigid PVC film which is also available in specialty tint.

It is designed to give excellent impact strength and white break resistance.

PureTherm® 1002C is engineered for use in industrial thermoforming applications requiring high impact resistance.

General Information			
Features	High Clarity		
	High Impact Resistance		
	High Rigidity		
	Self Extinguishing		
Uses	Industrial Applications		
	Thermoforming Applications		
Appearance	Clear/Transparent		
	Colors Available		
Forms	Film		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	
Specific Gravity	1.34	g/cm <sup>3</sup>	
Films	Nominal Value	Unit	Test Method
Film Thickness <sup>1</sup>	127 to 1020	µm	
Cold Impact	Good		
Heat Distortion	75	°C	ASTM D1637
Roll Width <sup>2</sup>	< 106.70	cm	
Thermoforming Molding Temperature	100 to 175	°C	
Tensile Strength - MD (Yield)	50.0	MPa	ASTM D882
Oxygen Transmission Rate (Wet) (23°C, 250 µm, 100% RH)	15.5	cm <sup>3</sup> /m <sup>2</sup> /24 hr	ASTM F1927
Water Vapor Transmission <sup>3</sup>	3.1	g/m <sup>2</sup> /24 hr	ASTM E96
Free Shrinkage	-4.0 to 4.0	%	ASTM D2732
NOTE			
1.	Thickness tolerance: ±10%		
2.	Roll width tolerance: ±1.5 mm		
3.	at 10 mil at 38°C, 90% RH		

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