

PureTherm® 1001C UV

TRANSPARENT

GENERAL DATA

Clarity	glass clear
Gels per 1 sq. Meter, 0.4mm ²	7 max
Carbon particles, 0.8 mm ²	5 max
(per 1.0 sq. Meter) 1.5 mm ²	0
Gauge uniformity	± 10%
Specific gravity	1.33
Splicing frequency	max. 3 splices per roll
Slitting width tolerance	± 1.5 mm

MECHANICAL PROPERTIES

Tensile strength	7000 psi	ASTM D882
Elongation	100%	ASTM D882
Elastic modulus	300,000 psi	ASTM D882
Cold impact	Good	

THERMAL PROPERTIES

Heat seal range	150°C - 190°C	
Heat distortion temperature	75°C	ASTM D1637-61
Dimensional stability	± 4%	ASTM D2732
Flammability	self extinguishing	
Thermoforming range	120°C - 175°C	

CHEMICAL PROPERTIES

Resistance to grease fats and oils	excellent	ASTM D722-45
Resistance to acids	excellent	ASTM D534
Resistance to alkalides	excellent	ASTM D534
Vinyl chloride monomer concentration	< 1 ppm	

BARRIER PROPERTIES

Moisture Vapor Transmission Rate @ 12 mil. (gms/100 in ² @ 37.8°C, 90% RH per 24 hr.)	0.123	ASTM E-96
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Oxygen Transmission rate @ 12 mil.
(cc/ m² @ 27°C, 100% RH per 24 hr.)

10.6

ASTM F1927

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