

DATA SHEET TERFLEX™ - STRETCH HOOD FILM

Film properties	Test metod	Unit	Value
Tensile properties / Machine direction			
1% Secant modulus	ASTM D 882	(MPa)	155
Tensile strength at break	ASTM D 882	(MPa)	32,4
Elongation at break	ASTM D 882	(%)	638
Energy to break	ASTM D 882	(mJ/mm ³)	109
Tensile properties / Transverse direction			
1% Secant modulus	ASTM D 882	(MPa)	160
10% offset yield stress	ASTM D 882	(MPa)	8,7
Tensile at break	ASTM D 882	(MPa)	34,1
Elongation at break	ASTM D 882	(%)	677
Energy to break	ASTM D 882	(mJ/mm ³)	106
Optical properties			
Haze	ASTM D 1003	(%)	17
Gloss	ASTM D 2457	20° (%)	85,5
		60° (%)	89,6
		80° (%)	86,9
Clarity	ASTM 1746	(%)	14
Stretch hood test- MD tear propagation			
F at 95% stretch / F max	ExxonMobil	(%)	13,3
Stretch hood test- TD (100% > 85%)			
Force (max)	ExxonMobil	(N/50mm)	54,1
Force (end)	ExxonMobil	(N/50mm)	27,5
Stress retention (%)	ExxonMobil	(%)	51
Force (start) Norm. to 100µm thickness	ExxonMobil	(N/50mm)	24,5
Force (end) Norm. to 100µm thickness	ExxonMobil	(N/50mm)	24,5
Elastic recovery (%)	ExxonMobil	(%)	51
Elmendorf tear strength			
MD	ASTM D 1922	(g/µm)	10,1
TD	ASTM D 1922	(g/µm)	14,7
Puncture resistance			
Maximum force	ExxonMobil	(N/µm)	2,0
Travel at Fmax	ExxonMobil	(mm)	131
Energy at Fmax	ExxonMobil	(mJ/µm)	145
COF			
Outside/outside , static	ASTM D 1894		0,42
Outside/outside , kinetic	ASTM D 1894		0,34
Inside/inside , static	ASTM D 1894		0,48
Inside / inside , kinetic	ASTM D 1894		0,39
Orientation (%)			
MD	ASTM D 2732-96		68
TD	ASTM D 2732-96		35

The values are find to the 25°C temperature, **100 micron film tickness**. They are not engaged to contractual fine.

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