



P.A.T.I spa

**FILM TECHNICAL DATA SHEET**

<b>Code</b>	<b>OTQHST9900</b>	<b>ETFE CLEAR</b>		rev.001 20-ott-09
<b>Type</b>	<b>FLUOROPOLYMER</b>	.	<b>M.P Lot</b>	.
			Custom code	39211900

Dimensional Properties	Units	Technical Data	Method	Typical value
Nominal thickness	micron	100	ISO 4593	102,9
Width	m	max 2,00	ISO 4592	xx
Average thickness-tolerance vs nominal	%	+5	ISO 4593	2,9%
Point to point thickness -vs nominal	%	+10		8,3%

Mechanical properties	Units	Technical Data	Method	Typical value
Tensile strength at break MD	MPa	>40	EN ISO 527-3	45,9
Tensile strength at break TD	MPa	>40		44,6
Tensile strain at break MD	%	>300		328
Tensile strain at break TD	%	>300		340
Yield stress (10%)	Mpa	>25	ISO 6383-1	26
Tensile Modulus (1%)	Mpa	>850		1088
Trouser tear method TD	N/mm	na	8.6 EN 13206	
Creep test MD	%	0,5	Int.Method (IO 82.4002)	
Dart drop test	cN	na		

Optical Properties	Units	Technical Data	Method	Typical value
Visible transmittance (380:780 nm)		>90	EN 2155-5	92,0%
Solar heat gain factor (300:2500 nm)	%	na	EN 2155-9	
Colour opacity		na	X-RITE	

Other Properties	Units	Technical Data	Method	Typical value
Surface Tension	dyne/cm	na	Geometric	
Surface weight (theoretical)	g/m2	175	Int.method	
Fire classification			<b>DIN 4102 B1</b>	