



P.A.T.I spa

FILM TECHNICAL DATA SHEET

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

Dimensional Properties	Units	Technical Data	Method	Typical value
Nominal thickness	micron	150	ISO 4593	156,3
Width	m	max 2,00	ISO 4592	xx
Average thickness-tolerance vs nominal	%	+5	ISO 4593	4,2%
Point to point thickness -vs nominal	%	+10		8,2%

Mechanical properties	Units	Technical Data	Method	Typical value
Tensile strength at break MD	MPa	>40	EN ISO 527-3	50,3
Tensile strength at break TD	MPa	>40		49,7
Tensile strain at break MD	%	>300		343
Tensile strain at break TD	%	>300		357
Yield stress (10%)	Mpa	>20	ISO 6383-1	23,7
Tensile Modulus (1%)	Mpa	>950		1016
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	92,6%
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	263	Int.method	
Fire classification			DIN 4102 B1	