



P.A.T.I spa

FILM TECHNICAL DATA SHEET

Code	OTQHST1400	FEP CLEAR		rev.002 20-ott-09
Type	RELEASE FILM	.	M.P Lot	.
			Custom code	39211900

Dimensional Properties	Units	Technical Data	Method	Typical value
Nominal thickness	micron	100	ASTM D3368-04	102,7
Width	m	max 2,00	ISO 4592	xx
Average thickness-tolerance vs nominal	%	+5	ASTM D3368-04	2,7%
Point to point thickness -vs nominal	%	+10		7,0%

Mechanical properties	Units	Technical Data	Method	Typical value
Tensile strength at break MD	MPa	>14,5	ASTM D3368-04 typeIV	28,4
Tensile strength at break TD	MPa	>14,5		27,4
Tensile strain at break MD	%	>250		324
Tensile strain at break TD	%	>250		326
Yield stress (10%)	Mpa	na		14,5
Tensile Modulus (1%)	Mpa	na		648
Trouser tear method TD	N/mm	na	.	
Creep test MD	%	na	8.6 EN 13206	
Dart drop test	cN	na	Int.Method (IO 82.4002)	

Optical Properties	Units	Technical Data	Method	Typical value
Visible transmittance (380:780 nm)		na	.	
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	19	Geometric	
Surface weight (theoretical)	g/m2	215	Int.method	
Fire classification			.	