



PRODUCT SPECIFICATION REINFORCED TPU EXPANSION BLADDERS

Polymer
Color

TPU
Frosty Clear

Properties	Units	Method	High Temperature Resistant				
			10006E-1360	10006E-1760	10007E-1360	10007E-1760	10021S-1360-525
Scrim Weight Density	oz/y2	ASTM D751	1.1 ± 5%	1.1 ± 5%	1.1 ± 5%	1.1 ± 5%	2.6 ± 5%
Scrim Type			Nylon	Nylon	Nylon	Nylon	Polyester
Composite Thickness	mils	ASTM D751	15 ± 5%	20 ± 5%	15 ± 5%	20 ± 5%	15 ± 5%
Composite Weight	oz/y2	ASTM D751	13 ± 5%	17 ± 5%	13 ± 5%	17 ± 5%	13 ± 5%
Breaking Strength (4X6in.)	MD	lbs/in	ASTM D4434	100	120	180	
	TD			100	120	180	
Elongation at break (4X6in.)	MD	%	ASTM D4434	20	20	20	
	TD			25	25	20	
Trapezoid Tearing Strength	MD	lbf	ASTM D751	10	25	80	
	TD			10	25	80	
Hydrostatic Resistance	psi	ASTM D3786	180	190	190	200	280
Interply Adhesion	lbs/in	ASTM D413		18		18	18
Abrasion resistance	cycles	ASTM D3884	2000+	2000+	3000+	5000+	5000+
Puncture Resistance-Screw	lbf	ASTM D 751		25		30	60
Puncture Resistance-Ball	lbf	ASTM D 751		100		120	200
Coefficient of friction		ASTM D1894		0.35		0.35	0.65

Product Specifications are minimum values, actual results may be higher.

We believe this information is the best currently available on the subject. It is provided as a suggestion in any appropriate experimentation you may care to undertake. It is subject to revision as additional knowledge, information and experience are gained. We make no guarantee of results and assume no obligation, warranty, or liability whatsoever in connection with this information. In case of conflict between standard and metric specifications, standard shall apply