

FACE SHIELD MATERIAL SPECIFICATIONS

Blue Cushion Foam:

TYPICAL PHYSICAL PROPERTIES

<u>PROPERTY</u>	<u>TEST METHOD</u>	<u>TYPICAL RESULTS</u>
DENSITY-(lbs/ft ³)	ASTM D3574 Test A	1.1-1.2
25% IFD-(lbs)	ASTM D3574 Test B1	34-42

PET Face Shield Plastic: 700 ga.

<i>Property</i>	<i>Unit</i>	<i>Value</i>				
General						
Nominal Thickness	Gauge (μm)	500 (125)	600 (150)	650 (165)	700 (175)	750 (188)
Mechanical						
Tensile Strength	Kpsi MD	25.0	24.0	23.0	22.0	21.0
	TD	29.0	28.0	27.0	26.0	25.5
Elongation At Break	% MD	195	215	235	250	255
	TD	140	145	150	150	150
Surface						
Coefficient of Friction	μk (Kinetic)	0.39	0.39	0.39	0.39	0.39
	μs (Static)	0.43	0.43	0.43	0.43	0.43
Surface Tension	Dyne Chemical	36	36	36	36	36
Optical						
Haze	%	1.60	1.70	1.80	2.10	2.70
Light Transmission	%	90.0	89.9	89.5	89.5	88.9
Gloss	%	185	180	180	180	175
Thermal						
Heat Shrinkage	% MD	1.0	0.9	0.9	0.9	0.9
	TD	0.6	0.5	0.5	0.5	0.5

Elastic Band:

PERFORMANCE

	SPECIFICATION	MINIMUM	MAXIMUM	TEST METHOD
FINISHED WIDTH (Millimeters)	10	9	11	ASTM D-3774
WEIGHT - grams/meter	3.20	2.88	3.52	ASTM D-3776
PICKS PER CM	30	28	32	ASTM D3887
PICKS PER INCH	76	72	80	
PIN PENETRATION	n/a			LTD 23
WASH SHRINKAGE	-3	+1%	-7	AATCC-135 1 IV, (A1)
ELONGATION (%)@ 5lbf 3 Cycles	120.0	108.0	132.0	ASTM 4964
RECOVERY (%)	n/a			ASTM 4964
MODULUS L - 30%	0.440	0.330	0.550	ASTM 4964
MODULUS L - 50%	0.750	0.563	0.938	ASTM 4964
MODULUS L - 70%	1.150	0.863	1.438	ASTM 4964
COLORFASTNESS	DEPENDING ON SHADE			AATCC