

MECHANICAL PROPERTIES	ASTM Test	Units Metric (U.S.)	STS Thickness Gauges		
			.062"	.093"	.125"
Density	D792	gm/cc	.935	.930	.932
Tensile Strength @ Yield	D638	MPa(psi)	21.1	18.2	20.1
Tensile Strength @ Break	D638	MPa(psi)	26.4	19.0	23.4
Elongation @ Break	D638	%	156	92.4	92.0
Youngs "E" Modulus	D638	MPa(psi x 105)	558	542	715
Izod Impact Strength	D256 ⁽¹⁾	J/m(ft-lb/in notch)	*	*	328
Hardness Shore "D"	D2240	-	64	63	64
Water Absorbtion	D570	%	.01	.03	.02
Rel. Solution Viscosity	D4020	dl/gm	2.3-3.5	2.3-3.5	2.3-3.5
Coefficient of Friction	D1894-96	Static	.23	.20	.20
Coefficient of Friction	D1894-96	Dynamic	.17	.19	.16

(1) Izod Impact: Samples have 2(15° +/- 1/2°) notches on opposite sides to a depth of 5mm