Philippe Jans sa
Industriezone Ter Stratenweg 14
B-2520 Ranst-Oelegem

T +32 (0)3 470 13 90
F +32 (0)3 470 13 97

Philippe Jans
The perfect fit for rubber solutions

Material Data Sheet

Material Type 302 Stainless Steel Strip

Description Description Type 302 ASTMA-666 cannot be hardened by heat treatment and is slightly magnetic after cold working. It welds easily and possesses excellent resistance to heat/cold and corrosion.

Products Astra Seals

Physical Properties

Chemical Composition		Thickness Tolerance<6"	Tolerance (inch)
Carbon	.15 max	.035-.062	0.002
Manganese	2.00 max	.029-.0349	0.0015
Silicon	1.00 max	.026-.0289	0.001
Phosphorus	.040 max	.020-.0259	0.001
Sulphur	.030 max	Under .020 +/- 5% thickness	
Chromium	17.00-19.00		
Nickel	8.00-10.00		
Molybdenum	.750 max		
Copper	.750 max		

Condition	AMS	Tensile min PSI	Yield min	Elong%	Hardness
Annealed	5516	75,000	36,000	below	RB 92 max
1/4 Hard	5903	125,000	75,000	10/12*	RC 25 min
1/2 Hard	5904	150,000	110,000	9/10**	RC 32 min
3/4 Hard	5905	175,000	135,000	5/6**	RC 37 min
Full Hard	5906	185,000	140,000	2	RC 41 min
*over .030" in thickness **over .015" in thickness		Min elongation properties for annealed condition .002-.003 incl 30% over .003-.004 35% over .004-.062 40%			

Additional Information

Width Tolerance +/-		0.003	
Camber Tolerance		Up to and including 1.500" wide	.500" in 8 feet
		Over 1.500" wide	.250" in 8 feet
Edges available		#3 slit edge	
		#5 deburred edge	
		#1 round edge	