



Innovations in Fluid Sealing



## TECHNICAL DATA SHEET

### INRUB SILICON RUBBER GASKET SHEET INMARCO TYPE 405-Premium Grade

#### Description:

**TYPE 405** is a semi organic synthetic. Its structure consists of a chain of silicon and oxygen atoms rather than carbon and hydrogen atoms, as in the case with other types of rubber. Silicon's are very stable at low and high temperatures.

#### Operational Parameters:

Properties	Test Method	Unit	Values
Density	ASTM D 297	g/cm <sup>3</sup>	1.20
Hardness	ASTM D 2240	Shore A	60±5
Tensile Strength	ASTM D 412	Kg/cm <sup>2</sup> (min)	60
Elongation @ Break	ASTM D 412	% (min)	250
Abrasion	ASTM D 5963	mm <sup>3</sup>	NA
Compression Set	ASTM D 395 B	%	30
Tear Strength	ASTM D 624	Kg/cm	25
After Heat Aged @ 70°C	ASTM D 573	Change in physical appearance	
Hardness			+2 (max)
Tensile Strength		%	+5/-5
Elongation		%	+5/-5
Volume swell @ 70°C x 72hrs.	ASTM D 471	Recommendations	
ASTM Oil No. 1		%	NA
ASTM Oil No. 2		%	NA
ASTM Oil No. 3		%	NA
Chemical Resistant	ASTM D 1149	Recommendations	
Ozone			Excellent
Dilute Acid and Base			Excellent
Cont. Acid & Base			Excellent
Oil			Good
Solvent			Fair
Temperature Range		°C	-75 to +250

#### Availability:

Sheet size : 1200mm x 10000mm  
: 1500mm x 10000mm

Thickness : 0.5mm, 1mm, 1.5mm, 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm,  
10mm

All information and recommendations given in this technical data sheet are correct to the best of our knowledge. However, in view of the wide variety of application and operating conditions one cannot draw the final conclusion in all application cases regarding the behavior of compounds. The above information can only serve as a guideline.

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