



Specification No : APSQ – 109

Rev. No : 04

Page No : 01 of 02

1.0	Item		Compressed Non-Asbestos gasket sheet - LT		
2.0	Material Code(s)				
		Material Description	Material Code	Weight for Density of 1.7 gm/cc.	
	2.1	Compressed Non-Asbestos Gasket sheet LT - 1.5 mm thick	22 023 001 0000	2.55 kgs/sq.mtr	
	2.2	Compressed Non-Asbestos Gasket sheet LT -2 mm thick	22 023 002 0000	3.4 kgs/sq.mtr	
	2.3	Compressed Non-Asbestos Gasket sheet LT -3 mm thick	22 023 003 0000	5.1 kgs/sq.mtr	
	2.4	Compressed Non-Asbestos Gasket sheet LT -5 mm thick	22 023 005 0000	8.5 kgs/sq.mtr	
	2.5	Compressed Non-Asbestos Gasket sheet LT -5 mm thick x OD 435mm x ID 370mm.	22 023 005 0435	350 grams/No	
3.0	Application		Used in-between air & gas duct flanges, water line and oil line flanges as gasket to arrest leakage in power plants.		
4.0	Continuous Working Temperature		200 Deg C.		
5.0	Continuous Working Pressure		5 kg/sq.cm		
6.0	Material		Synthetic Aramid Fibre with NBR		
7.0	Other Properties:				
	Sl.No	Property	Applicable Standard	Value	
	1.	Density	ASTM- F1315	1.7gm/cc to 2.0 gm/cc	
	2.	Tensile strength	ASTM-F152	≥11 MPa	
	3.	Residual stress	BS-7531:2006	≥22 MPa	
	4.	Compressibility	BS-7531:2006	≥6%	
	5.	Recovery	ASTM-F36	≥40%	
	6.	Oil absorbtion IRM 903 oil. Increase in thickness %	BS-7531:2006	≤10%	
	7.	Water absorbtion Increase in thickness%	BS-7531:2006	≤10%	
04	25-08-15	(Sd) GA	(Sd) KP	(Sd) KP	Uniklinger & Superlite added in Cl.8.
03	09-08-14	(Sd) GA	(Sd) KP	(Sd) PPS	Specification updated.Temp 200 was 250.Pressure 5 was 20.
02	25-05-13	(Sd) GA	(Sd) KP	(Sd) PPS	Material Changed.Temp250 was 400.
01	11-04-13	(Sd) GA	(Sd) KP	(Sd) PPS	Clause 8.1 & 8.2 modified.
00	16-02-13	(Sd) GA	(Sd) KP	(Sd) PPS	FRESH ISSUE
Rev.No	Date	Prepared	Checked	Approved	Record of Revisions.

Specification No : APSQ – 109		Rev. No : 04		Page No : 02 of 02
	Other Properties Continued..			
	8.	Gas permeability	BS-7531:2006	<1.0 cc/min
	9.	Loss on Ignition	DIN- 52911	≤30%
	10.	Thickness tolerance	BS-7531:2006 /ASTM-F104	±0.15mm for ≤2.0mm & ±0.2mm for >2mm.
	11.	Width/Depth tolerance	---	±5%
8.0	Model number: Champion Jointings Pvt Ltd - AF154 / Champion seals (India) P Ltd- AF139/ Ferolite Jointing Pvt Ltd- NAM 30/ James walker Inmarco Industries Pvt Ltd-NA 239/ J D Jones & Co- NA 300/ Super Waudite jointings Pvt Ltd-AF Waudite/Uniklinger CI-35/ Superlite jointings AF OIL 250E or Equivalent .			
9.0	General: 9.1 Gasket shall meet simultaneously the continuous working temperature and continuous working pressure indicated in the Clause 4.0 & 5.0. 9.2 Model numbers given are indicative only. Vendor to ensure that the offered model meets the specification requirements in all respects. 9.3 Vendor to furnish the data sheet indicating density, weight per square meter, Continuous working temperature & pressure, Maximum working temperature & pressure, and other properties as listed in the Clause 7.0 for the offered items along with the offer. Printed catalogue shall also be submitted for reference. 9.4 New vendors / Existing Vendors offering new model number which is not indicated in Clause 8.0 shall supply Material sample, PT Diagram and Typical Material Test certificate (TC) indicating material, density, pressure temperature withstand capacity, properties as listed in the Clause 7.0 along with the offer in addition to data sheet/catalogue. 9.5 Gaskets shall be supplied with Anti-stick coating on at least one side. 9.6 The Compressed Non-Asbestos Gasket sheet shall be supplied as sheets of nominal width of 1000mm and length of 2000mm unless otherwise specified. 9.7 The sheets shall be packed moisture proof and supplied in wooden crates marked with Model number, Density, thickness, Quantity in sq.mtr, weight, Name of Manufacturer and Shelf life identification. 9.8 Vendor to submit recommended procedure for preservation and handling along with supply.			
10.0	INSPECTION: 10.1 TC verification with respect to Specification and vendor data sheet/catalogue. 10.2 Density to be checked by weighing the ropes with respect to Clause 2.0 & 7.0. 10.3 Physical Inspection for Anti stick coating, thickness tolerance & Witness for Flexibility test as per BS 7531-2006.			