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FLEXOID -OIL TAN PAPER – SPECIFICATION SHEET

A cellulose fibre base paper impregnated with a plasticised chemical treatment able to resist oil, petrol, air, water, alcohol, grease & most solvents. Used in the automotive, truck, marine, aero and agricultural industries, it is suitable for cold applications or environments up to **120 degrees C** for engine, gearbox, axle, pump, pipe and tank flange joints. Ideal for oil and fuel resistance. Suitable for **180 degrees C** for short periods

FLEXOID OTP PRODUCT SPECIFICATION SHEET

Specification

Method

Density, g/cc(lb/cu.ft)	0.87 (54) (min.)	ASTM F1315
Compressibility. % (at 34.5MPa)	28 - 42	ASTM F 36
Recovery, %	20 (min.)	ASTM F 36
Tensile Strength, AMD, MPa(psi)	8.62 (1250) (mm.)	ASTM F 152
Fluid Resistance, IRM903 Oil		ASTM F 146
Change in Tensile Strength, %	30 (max.)	
Change in Thickness, %	7 (max.)	
Change in Compressibility, %	30 - 45	
Fluid Resistance, Fuel B		ASTM F146
Change in Thickness, %	7 (max.)	
Change In Weight, %	25 - 50	
Binder Type	Nitrile Butadiene	

PROPERTY	TEST METHOD	UNIT	VALUE
Moisture Content	15 min @ 100°C	%	8 TO 14
Thickness	ASTM F104	MM	+/- 10%
Compression	ASTM F36	%	25-40
Recovery	ASTM F36	%	40 min
Tensile Strength	ASTM F152	Mn/m2	13.79
IRM 903 Oil Weight Increase	ASTM F146	%	15 max
IRM 903 Oil Thickness Increase	ASTM F146	%	5 max
Fuel B Weight Increase	ASTM F146	%	15 max
Fuel B Thickness Increase	ASTM F146	%	5 max
Water Weight Increase	ASTM F146	%	90 max
Water Thickness Increase	ASTM F146	%	30 max

Fluid Resistance Chart 1

Key: 1 - Good Resistance | 2 - Medium resistance | 3 - Not Resistant

Acetone	2	Dibutyl Pthalate	1	Linseed Oil	1
Acids Inorganic	3	Ether	2	Lubricating Oil	1
Alcohols Methyl/Ethyl/Amyl	1	Ethyl Acetate	1	Methyl Ethyl Ketone	1
Alkalis	3	Ethylene Glycol	1	Nitrobenzene	1
Ammonia	3	Formaldehyde	1	Phenol	1
Aniline	1	Freon 12 and 22		Propane	1
Benzene	1	Fuel Oil	1	Propylene Glycol	1
Butane	1	Gasoline	1	Sodium Silicate	1
Butyl Acetate	1	Glycenne	1	Steam	3
Carbolic Acid	1	Greases	1	Toluol	1
Carbon Dioxide	1	Hydrogen	1	Tnchloroethylene	1
Carbon Tetrachloride	1	Hydrogen Peroxide		Vegetable Oils	1
Chlorinated Solvents	1	Hydrogen Sulphide	1	Water/Sea Water	2
Cresol	2	Inks	1	White Spint	1
Detergents	1	Kerosene	1	Xylol	1