

Cranflex

Oil Resistant Jointing

INTRODUCTION

Cranflex oil resistant jointing is sold to almost every country in the world with most of its production being exported.

Composition:

It is a plasticised gelatine impregnated material that is cellulose based.

CHARACTERISTICS

- ▶ Very Economical
- ▶ Excellent oil and fuel resistance
- ▶ Seals better at lower cost
- ▶ Available in a roll or sheet form over a wide range of thicknesses.

Stored gaskets must be protected from wide changes of humidity and temperature to avoid dimensional change.

Not suitable for alkalis, acids and steam.

MATERIAL SPECIFICATION

Maximum Recommended Service Temperature	120°C/250°F
Colour	Brown
Compressibility at 70kg/cm ² (1000psi)	25% - 40%
Recovery	40% Minimum
Tensile Strength across grain Minimum	13.79 MN/m ² 2000 psi Minimum

Fluid Ageing Properties after 22 hours at 21°C (70°F) to 30°C (85°F)	Maximum Weight Increase	Maximum Thickness Increase
ASTM Oil Number 3	15%	5%
ASTM Fuel B	15%	5%
Distilled Water	90%	30%

USES

Because of its ability to seal against petrol, oil and water at low cost, Cranflex is used extensively throughout the world in many automotive applications. Cranflex also has uses in the industrial and marine markets because of relatively low tear and chemical resistance compared with asbestos based materials.

Basic Engine:

- ▶ Carburettor
- ▶ Front Brake
- ▶ Oil Filter
- ▶ Timing Cover
- ▶ Water Pump
- ▶ Fuel Pump
- ▶ Oil Pump
- ▶ Side Cover
- ▶ Thermostat

Gearbox:

- ▶ Input Shaft
- ▶ Top Cover
- ▶ Exit Housing
- ▶ Gearbox to clutch

Rear Axle:

- ▶ Axle Cover
- ▶ Axle Shaft

INTERNATIONAL COMPLIANCE

ASTM	F104, F326128 - E21 - M6 D1170 - 62T and SAE J90 IDENT No. P3313B
BRITISH STANDARD	B.S. 4249B
UNDERWRITERS LAB OF AMERICA	MH 9986
UNDERWRITERS LAB OF CANADA	CMH 320
USA FEDERAL	HH-P-96f TYPE 1 only
USA MILITARY	MIL-G-12803B IDENT No. F326128 M6

CHEMICAL RESISTANCE CHART

ACETONE	2	ETHER	2	METHYL ETHYL KETONE	1
ACIDS INORGANIC	3	ETHYL ACETATE	1	NITROBENZENE	1
ALCOHOLS METHYL, ETHYL, AMYL	1	ETHYLENE GLYCOL	1	PHENOL	1
ALKALIS	3	FORMALDEHYDE	1	PROPANE	1
AMMONIA	3	FREON 12 AND 22	3	PROPYLENE GLYCOL	1
ANILINE	1	FUEL OIL	1	SODIUM SILICATE	1
BENZENE	1	GASOLINE	1	STEAM	3
BUTANE	1	GLYCERINE	1	TOLUOL	1
BUTYL ACETATE	1	GREASES	1	TRICHLOROETHYLENE	1
CARBOLIC-ACID	1	HYDROGEN	1	VEGETABLE OILS	1
CARBON DIOXIDE	1	HYDROGEN PEROXIDE	2	WATER, SEA WATER	2
CARBON TETRACHLORIDE	1	HYDROGEN SULPHIDE	1	WHITE SPIRIT	1
CHLORINATED SOLVENTS	1	INKS	1	XYLOL	1
CRESOL	2	KEROSENE	1		
DETERGENTS	1	LINSEED OIL	1	KEY:	
DIBUTYL PHTHALATE	1	LUBRICATING OIL	1	1 = Good 2 = Medium 3 = Not Recommended	

STANDARD THICKNESSES & ROLL LENGTHS

MM	INCHES	FRACTION INCHES	ROLL LENGTH METRES	ROLLS PER BOX	MM	INCHES	FRACTION INCHES	ROLL LENGTH METRES	ROLLS PER BOX
0.15	0.006	•	100	•	1.60	0.062	1/16	50	9
0.20	0.008	•	100	35	2.00	0.080	•	25	16
0.25	0.010	•	100	•	2.40	0.093	3/32	25	9
0.30	0.012	•	100	•	3.20	0.125	1/8	25	9
0.40	0.015	1/64	100	18	4.00	0.155	5/32	20	•
0.50	0.020	•	50	25	4.80	0.187	3/16	10	10
0.80	0.032	1/32	50	18	5.00	0.200	•	15	•
1.00	0.040	•	50	14	6.40	0.250	1/4	10	•
1.20	0.047	•	25	20					

ROLL DESCRIPTION

- ROLLS 1 METRE WIDE WOUND ON 70mm I.D. CORES
- WIDTH TOLERANCES: 0.15mm - 0.80mm 1000/1050mm
1.00mm - 6.40mm 1000 +/-5mm
- THICKNESS TOLERANCES: +/- 10% ON NOMINAL
- MATERIAL 1.00mm AND OVER IS LAMINATED. FOR EXPORT ORDERS THE MATERIAL IS WRAPPED IN POLYTHENE SLEEVES AND PACKED IN JAXPAL BOXES.