TECHNICAL DATA SHEET

Queensland Gaskets

ENGINEERING FELT

Engineering felt is a unique engineering material. The properties of engineering felt can be controlled to produce different felt with characteristics ranging from soft, supple padding to a hard dense felt for polishing glass and metal.

At the proper density, engineering felt can seal in lubricants, as well as seal out contamination; engineering felt can act as a vibration and sound deadening material; felt is used for lubrication metering, wicking, wiping packing and insulating and felt is also ideal for a wide range of controlled filtering applications.

- Tested according to DIN Standards ISO: 9001:2000
- DIN Reference: DIN 61200
- Normal operating range: to 93 C
- Colour: natural (off white)
- Tested according to British Standard

Chlorofluorocarbon and bromofluorocarbon compounds are NOT used in the manufacture of any of our felts.

'A' GRADE

This is a high grade, high density felt recommended for precision uses where maximum durability and resistance to wear is required.

Density: 0.34 grams per cubic centimetre
Width: 1500mm

'B' GRADE

This is a high-grade low density felt recommended for uses where abrasion and wear are not important factors.

Density: 0.18grams per cubic centimetre

Width: 1800mm



APPLICATIONS

'A' GRADE

> Bearing seals & gaskets
> Brakes, clutches & anti-vibration
> Polishing pads & wheels machine mounts
> Sanding pads
> Marking nibs & ink feed rollers
> Lint & air seals in clothes dryers
> Percussion instruments
> Robotics
> Wipers & brakes

'B' GRADE

> Oils & dust seals
> Glass & ceramic industries
> Bearing housings sound & thermal insulation
> Ink & oil reservoirs
> Etching press pads
> Machinery & motor parts
> Filter pads
> Seals for washing machines & dryers
> Protective padding for knee & shoulder pads

Contact us to discuss requirements and place your order 07 3277 3922

All information and data quoted has been provided by our suppliers and is based upon years of experience in the production and operation of sealing elements. This data may not be used to support any warranty claims. With its publication this latest edition supersedes all previous issues and is subject to change without further notice.

TECHNICAL INFORMATION

MATERIAL: **"A" Engineering felt**

SPECIFIC GRAVITY: 0.34 Grams per cubic centimetre

COMPOSITION: minimum wool content 70% - bal viscose

COLOUR: natural (off white)

Nominal thickness	Nominal mass GSM	Mass min GSM	Mass max GSM	Thickness min mm	Thickness max mm
1.6	545	482	606	1.4	1.8
3.2	1088	964	1211	2.9	3.5
4.8	1632	1447	1817	4.4	5.2
6.4	2176	1945	2406	5.9	6.9
7.9/8.0	2686	2401	2970	7.4	8.4
9.5	3230	2916	3544	9	10
12.7	4318	3994	4642	12	13.4
15.9/16.0	5406	5000	5811	15.1	16.7
19.1	6494	6006	6981	18	20.2
25.4	8636	7988	9284	24.2	26.6

MINIMUM TENSILE STRENGTH: Longitudinal - 48 kp/sq cm
Lateral - 35 kp/sq cm

STANDARD ROLL WIDTH: 1500mm

PACKING: suitable for manual handling

TESTING PROCEDURE: according to DIN standards

DIN REFERENCE: DIN 61200

SCORCHING TEMPERATURES: 1 sec. @ 185º C
2 secs. @ 159º C

NORMAL OPERATING RANGE: to 93º C

THERMAL CONDUCTIVITY: 0.058 watts/M. deg. C(21º C)
= 0.40 Btu. Ins/ft2. H.deg.F)

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