



## MATERIAL SPECIFICATION

CA. 484.  
ISSUE B.

## SYNTHETIC RUBBER - GENERAL PURPOSE

1. DESCRIPTION

This specification covers six grades of synthetic rubber suitable for general use for miscellaneous parts where specific resistance to fluids is not required.

The specification covers 6 grades of rubber of varying hardness designated as follows:

CA.484-3	25-35 Shore Durometer 'A'.
CA.484-4	35-45     "     "
CA.484-5	45-55     "     "
CA.484-6	55-65     "     "
CA.484-7	65-75     "     "
CA.484-8	75-85     "     "

2. FORM

The material shall be supplied as sheet, strip, tubing, extrusions, as specified on the drawing or purchase order.

3. MANUFACTURE AND INSPECTION

Unless otherwise specified the manufacture and inspection of the material shall be in accordance with CA.700 (latest issue).

4. AGE CONTROL

Control over the age of the material shall be in accordance with CA.770 (latest issue).

ISSUE	DATE	WRITTEN	APPROVED			CA.484 ISSUE B SUPERSEDES CA.484 ISSUE A
			C.A.C.	R. A. A. F.	Q.C.B.	
A	Jun. '56.	N.A.S.	H.E.A.	H.J.N.		
B	Mar. '68.	R.E.B.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	

5. PHYSICAL PROPERTIES

5.1 Hardness (ASTM D 2240)

CA.484-3	25-35	Shore Durometer 'A'
CA.484-4	35-45	" "
CA.484-5	45-55	" "
CA.484-6	55-65	" "
CA.484-7	65-75	" "
CA.484-8	75-85	" "

6. HEAT RESISTANCE

Test specimens shall be heated at  $100 \pm 1^{\circ}\text{C}$  for 24 hours after which they shall be neither hard nor brittle and shall be bent flat through  $180^{\circ}$  without cracking.

7. FLUID RESISTANCE

7.1. ASTM D 471-64T Fuel Type B

Test specimens shall be immersed in ASTM D 471-64T Reference Fuel B for 48 hours at  $20-25^{\circ}\text{C}$  after which they shall be neither tacky nor show signs of decomposition. The specimens shall be bent flat through  $180^{\circ}$  without cracking.

7.2. ASTM D 471-64T Oil No. 3

Test specimens shall be immersed in ASTM D 471-64T Reference Oil No. 3 for 24 hours at  $20-25^{\circ}\text{C}$  after which they shall be neither tacky nor show signs of decomposition. Specimens shall be bent flat through  $180^{\circ}$  without cracking.

8. LOW TEMPERATURE BRITTLENESS - ASTM D 736

Brittleness Point - below  $-40^{\circ}\text{C}$ .

9. APPROVED SUPPLIER

Dunlop Australia Pty. Ltd.