



Standard for Flexible Cellular Materials
Sponge or Expanded Rubber

Conversion Chart

Natural (Gum)
Rubber

MIL-C-3133C	MIL-STD-670B	ASTM D1056-84	ASTM D1056-98
RN 10	RO 1	RO 10	1A
RN 11	RO 3	RO 11	1A
RN 12	RO 7	RO 12	1A
RN 13	RO 11	RO 13	1A
RN 14	RO 15	RO 14	1A
RN 15	RO 20	RO 15	1A
RN 21	RC 10	RC 10	---
RN 22	RC 20	RC 20	---
RN 23	RC 30	RC 30	---
RN 24	RC 40	RC 40	---
RN 25	RC 60	RC 60	---
RN 26	RC 70	RC 70	---
RN 27	RC 90	RC 90	---
RN 31	RU 11	---	---
RN 32	RU 20	---	---
RN 33	RU 30	---	---
RN 34	RU 55	---	---
RN 41	RE 3	RE 41	2A
RN 42	RE 7	RE 42	2A
RN 43	RE 11	RE 43	2A

Neoprene®
Chloroprene

MIL-C-3133C	MIL-STD-670B	ASTM D1056-84	ASTM D1056-98
SC 10	SCO 1	SCO 10	1C
SC 11	SCO 3	SCO 11	1C
SC 12	SCO 7	SCO 12	1C
SC 13	SCO 11	SCO 13	1C
SC 14	SCO 15	SCO 14	1C
SC 15	SCO 20	SCO 15	1C
SC 41	SCE 3	RE 41	2A
SC 42	SCE 7	RE 42	2A
SC 43	SCE 11	RE 43	2A
SC 44	SCE 15	RE 44	2A
SC 45	SCE 20	RE 45	2A

GRS / SBR
BUNA S

MIL-C-3133C	MIL-STD-670B	ASTM D1056-84	ASTM D1056-98
RS 10	RO 1	RO 10	1A
RS 11	RO 3	RO 11	1A
RS 12	RO 7	RO 12	1A
RS 13	RO 11	RO 13	1A
RS 14	RO 15	RO 14	1A
RS 15	RO 20	RO 15	1A
RS 21	RC 10	RC 10	---
RS 22	RC 20	RC 20	---
RS 23	RC 30	RC 30	---
RS 24	RC 40	RC 40	---
RS 25	RC 60	RC 60	---
RS 26	RC 70	RC 70	---
RS 27	RC 90	RC 90	---
RS 31	RU 11	---	---
RS 32	RU 20	---	---
RS 33	RU 35	---	---
RS 34	RU 55	---	---
RS 41	RE 3	RE 41	2A
RS 42	RE 7	RE 42	2A
RS 43	RE 11	RE 43	2A

Nitrile / NBR
BUNA N

MIL-C-3133C	MIL-STD-670B	ASTM D1056-84	ASTM D1056-98
SB 10	SBO 1	SBO 10	1B
SB 11	SBO 3	SBO 11	1B
SB 12	SBO 7	SBO 12	1B
SB 13	SBO 11	SBO 13	1B
SB 14	SBO 15	SBO 14	1B
SB 15	SBO 20	SBO 15	1B
SB 41	SBE 3	RE 41	2A
SB 42	SBE 7	RE 42	2A
SB 43	SBE 11	RE 43	2A
SB 44	SBE 15	RE 44	2A
SB 45	SBE 20	RE 45	2A

The current standard, ASTM D1056-98 superceded ASTM D1056-84 and MIL-STD-670B, which superceded MIL-C-3133C in 1984.