

MIL-SPEC RUBBER



THE MOST COMMON MILITARY SHEET RUBBER SPECIFICATIONS:

MIL-SPEC NO.	POLYMER	DURO (±5)	TYPICAL TENSILE	ELONG. %	S.G.*	COMMENTS
MIL-R-6855 CLASS I (FUEL) - GRADE 40	NITRILE	40	1500	500	1.11	
MIL-R-6855 CLASS I (FUEL) - GRADE 50	NITRILE	50	2000	500	1.15	
MIL-R-6855 CLASS I (FUEL) - GRADE 60	NITRILE	60	1700	350	1.23	
MIL-R-6855 CLASS I (FUEL) - GRADE 70	NITRILE	70	2000	300	1.23	
MIL-R-6855 CLASS I (FUEL) - GRADE 80	NITRILE	80	2600	125	1.30	
MIL-R-6855 CLASS II (OIL) - GRADE 40	NEOPRENE	40	2000	700	1.32	TYPE A & B
MIL-R-6855 CLASS II (OIL) - GRADE 50	NEOPRENE	50	1800	400	1.37	TYPE A & B
MIL-R-6855 CLASS II (OIL) - GRADE 60	NEOPRENE	60	1600	350	1.44	TYPE A & B
MIL-R-6855 CLASS II (OIL) - GRADE 70	NEOPRENE	70	2500	300	1.38	TYPE A & B
MIL-R-6855 CLASS II (OIL) - GRADE 80	NEOPRENE	80	1700	200	1.47	TYPE A & B
MIL-G-1149C TYPE I - CLASS I	NEOPRENE	50	1600	600	1.36	
MIL-G-1149C TYPE I - CLASS II	SBR	50	1800	500	1.13	
MIL-G-1149C TYPE I - CLASS V	NITRILE	50	2000	500	1.15	
MIL-G-1149C TYPE II - CLASS I	NEOPRENE	65	2500	300	1.37	
MIL-G-1149C TYPE II - CLASS II	SBR	65	3000	500	1.16	
MIL-G-1149C TYPE II - CLASS V	NITRILE	60	2000	400	1.19	

*SPECIFIC GRAVITY **SEE REVERSE SIDE FOR MIL-R-3065.

THE MOST COMMON MILITARY CLOTH-INSERT SPECIFICATIONS:

MIL-SPEC NO.	FABRIC	POLYMER	DURO (±5)	TYPICAL TENSILE	ELONG. %	S.G.*	COMMENTS
HHP-151E - CLASS I	CC0500	NATURAL RUBBER/SBR	55	1800	400	1.20	FABRIC MINIMUMS
HHP-151F - CLASS I	CC1100	NATURAL RUBBER/SBR	55	1800	400	1.20	CONTACT FACTORY
HHP-151E - CLASS II	CC0500	NEOPRENE	55	1500	450	1.36	FABRIC MINIMUMS
HHP-151F - CLASS II	CC1100	NEOPRENE	55	1500	450	1.36	CONTACT FACTORY
HHP-151E - CLASS III	CC0500	SBR	60	2500	500	1.20	FABRIC MINIMUMS
HHP-151F - CLASS III	CC1100	SBR	60	2500	500	1.20	CONTACT FACTORY
HHP-151E - CLASS IV	CC0500	NITRILE	60	1700	350	1.23	CONTACT FACTORY
HHP-151F - CLASS IV	CC1100	NITRILE	60	1700	350	1.23	CONTACT FACTORY

On all cloth inserts, physicals are only valid prior to insertion of fabric.

MILITARY GASKET MATERIAL, GENERAL PURPOSE:

MIL-SPEC NO.	POLYMER	DURO (±5)	TYPICAL TENSILE	ELONG. %	S.G.*	COMMENTS
HHG-156 - TYPE I	NATURAL RUBBER	40	1500	500	1.17	
HHG-156 - TYPE II	NATURAL RUBBER/SBR	55	1800	400	1.20	
HHG-156 - TYPE III	NATURAL RUBBER/SBR	80	1800	200	1.40	

OTHER COMMON MILITARY SHEET RUBBER SPECIFICATIONS:

MIL-SPEC NO.	POLYMER	DURO (±5)	TYPICAL TENSILE	ELONG. %	S.G.*	COMMENTS
MIL-G-22050 - GRADE I	EPDM	65	2400	250	1.09	
MIL-G-22050 - GRADE II	EPDM	80	2400	150	1.16	
MIL-G-1086E	NITRILE	70	2000	300	1.23	
MIL-R-2765C	NITRILE	50	2000	500	1.15	
MIL-R-21252B	NEOPRENE	80	1700	200	1.47	
MIL-R-15624E - CLASS I	NEOPRENE	50	2500	450	1.33	
MIL-R-15624E - CLASS II	SBR	50	2500	500	1.14	
MIL-R-15624E - CLASS III	NITRILE	50	1800	600	1.17	
MIL-R-25897 - TYPE II - CLASS I	FLUOROELASTOMER	75	2000	175	1.86	
MIL-G-23652 - TYPE II		SUPERCEDED BY MIL-R-83248A				
MIL-R-83248A - TYPE I & II - CLASS I	FLUOROELASTOMER	75	2000	175	1.86	
MIL-R-83248A - TYPE I & II - CLASS II	FLUOROELASTOMER	90	2100	130	1.91	
MIL-R-14328B	PEROX. CURED EPDM	50	1700	600	1.05	
MIL-R-900F	PEROX. CURED EPDM	50	1700	600	1.05	
MIL-G-23621	EPDM/POLY	60	1600	500	1.19	