



# Aerospace Industry Material Reference Guide (ORD 5800) 9/18/2023

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Material	Industry Material Specification	Revision	Aero Industry Part Drawing				Aero Industry Part Number		Compound	How to Order
			2-XXX Part Numbers	Revision	3-XXX Part Numbers	Revision	2-XXX Part Numbers	3-XXX Part Numbers		
<b>Acrylonitrile-Butadiene (NBR)</b>										
TBD	MIL-P-25732	D	AS28775	A	AS568	F	MS28775-xxx	AS568-xxx	TBD	TBD MS28775-xxx
NM756-75	AMS-P-83461	---	AS83461/1	C	AS83461/2	D	M83461/1-xxx	M83461/2-xxx	NM756	NM756 A83461-xxx
N0602-70	AMS-P-5315	C	AS29513	C	AS29512	C	MS29513-xxx	MS29512-yy	N0602	N0602 A5315-xxx
NM072-70	AMS-R-7362	A	AS29561	C	AS29561	C	MS29561-xxx	MS29561-xxx	NM072	NM072 A7362-xxx
N0287-70	AMS7272	G	AS3551	A	AS3551	A	AS3551-xxx	AS3551-xxx	N0287	N0287 A7272-xxx
N0674-70	MIL-G-21569 Class 1	B	AS568	F	AS568	F	AS568-xxx	AS568-xxx	N0674	N0674 M21569-xxx
	MIL-P-82745 and 8243413 (Rev D)	---	AS568	F	AS568	F	AS568-xxx	AS568-xxx	N0674	N0674 M82745-xxx
N0507-90	AMS-P-5510	B	AS568	F	AS28778	C	AS568-xxx	MS28778-yy	N0507	N0507 A5510-xxx
NM506-65	AMS7271	K	AS3578	---	AS3578	---	AS3578-xxx	AS3578-9yy	NM506	NM506 A7271-xxx
N0525-60	AMS3220	H	AS568	F	AS568	F	AS568-xxx	AS568-xxx	N0525	N0525 A3220-xxx
<b>Ethylene Propylene (EP)</b>										
EM163-80	NAS 1613 Rev 2	2	NAS1611	12	NAS1612	8	NAS1611-xxx	NAS1612-yy	EM163	EM163 N1613-xxx/1W2Y**
	NAS 1613 Rev 6	6	NAS1611	12	NAS1612	8	NAS1611-xxxA	NAS1612-yyA	EM163	EM163 N1613-xxx
E0540-80	8243412***	G	AS568	F	AS568	F	AS568	AS568	E0540	E0540 M82744-xxx/1W2B^
<b>Polychloroprene (CR)</b>										
C0267-50	AMS3208	N	AS568	F	AS568	F	AS568-xxx	AS568-xxx	C0267	C0267 A3208-xxx
C1124-70	AMS3209	M	AS568	F	AS568	F	AS568-xxx	AS568-xxx	C1124	C1124 A3209-xxx
CM260-60	AMS3241	K			Molded Shapes			Molded Shapes		Quote Only
<b>Butyl (IIR)</b>										
B0318-70	AMS3238	J	AS568	F	AS568	F	AS568	AS568	B0318	B0318 A3238-xxx
<b>Fluorosilicone (FVMQ)</b>										
L1223-60	MIL-DTL-25988 Type 1 Class 1 Grade 60	C	MIL-R-25988/3	A	MIL-R-25988/3	---	M25988/3-xxx	M25988/3-9yy	L1223	L1223 M25988-xxx
	AMS3325	G	AS568	F	AS568	F	AS568	AS568	L1223	L1223 A3325-xxx
	MIL-DTL-25988 Type 2 Class 1 Grade 60	C			Molded Shapes			Molded Shapes		Quote Only
LM100-70	MIL-DTL-25988 Type 1 Class 1 Grade 70	C	MIL-R-25988/1	B	MIL-R-25988/1	B	M25988/1-xxx	M25988/1-9yy	LM100	LM100 M25988-xxx
LM256-70	MIL-DTL-25988 Type 2 Class 1 Grade 70	C			Molded Shapes			Molded Shapes		Quote Only
L1077-75	MIL-DTL-25988 Type 1 Class 3 Grade 75	C	MIL-R-25988/2	A	MIL-R-25988/2	---	M25988/2-xxx	M25988/2-9yy	L1077	L1077 M25988-xxx
L1218-80	MIL-DTL-25988 Type 1 Class 1 Grade 80	C	MIL-R-25988/4	A	MIL-R-25988/4	---	M25988/4-xxx	M25988/4-9yy	L1218	L1218 M25988-xxx
	MIL-DTL-25988 Type 2 Class 1 Grade 80	C			Molded Shapes			Molded Shapes		Quote Only
<b>Silicone (VMQ)</b>										
S0595-50	AMS3302	J	AS568	F	AS568	F	AS568	AS568	S0595	S0595 A3302-xxx
S0613-60	AMS3303	L	AS568	F	AS568	F	AS568	AS568	S0613	S0613 A3303-xxx
	A-A-59588 Class 2b, Grade 60	B	AS568	F	AS568	F	AS568	AS568	S0613	S0613 ZZR765-xxx
S0383-70	AMS3337	F	AS568	F	AS568	F	AS568	AS568	S0383	S0383 A3337-xxx
	A-A-59588 Class 1a, Grade 70	B	AS568	F	AS568	F	AS568	AS568	S0383	S0383 ZZR765-xxx
S0604-70	AMS3304	J	AS3582	---	AS3582	---	AS3582-xxx	AS3582-9yy	S0604	S0604 A3304-xxx
	AMS3357	H	AS568	F	AS568	F	AS568	AS568	S0604	S0604 A3357-xxx
	MIL-G-21569 Class 2	B	AS568	F	AS568	F	AS568	AS568	S0604	S0604 M21569-xxx
	A-A-59588 Class 2a, 2b, Grade 70	B	AS568	F	AS568	F	AS568	AS568	S0604	S0604 ZZR765-xxx
SM265-70	A-A-59588 Class 2a, 2b, Grade 70	B			Molded Shapes			Molded Shapes		Quote Only
	Black, A-A-59588 Class 2b, Grade 70	B			Molded Shapes			Molded Shapes		Quote Only
<b>Fluorocarbon (FKM)</b>										
VM125-75	AMS7287	A	AS83485	B	AS83485	B	M83485/1-xxx	M83485/1-9yy	VM125	VM125 A7287-xxx
VM330-75	AMS7276	J	AS3209	C	AS3208	A	AS3209-xxx	AS3208-yy	VM330	VM330 A7276-xxx
	AMS7276 and AMS-R-83248 Type 1, Class 1	J	AS83248/1	A	AS83248/1	A	M83248/1-xxx	M83248/1-9yy	VM330	VM330 A7276-xxx
V0747-75	AMS-R-83248 Type 1, Class 1	Cancelled	AMS-R-83248/1	A	AMS-R-83248/1	A	M83248/1-xxx	M83248/1-9yy	V0747	V0747 M83248-1-xxx
VA335-90	AMS7259	E	AS3581	A	AS3581	A	AS3581-xxx	AS3581-9yy	VA335	VA335 A7259-xxx
	AMS7259 and AMS-R-83248 Type 1, Class 2	E	AS83248/2	A	AS83248/2	A	M83248/2-xxx	M83248/2-9yy	VA335	VA335 A7259-xxx
	AMS-R-83248 Type 1, Class 2	Cancelled	AS38248/2	---	AS83248/2	---	M83248/2-xxx	M83248/2-9yy	VA335	VA335 M83248-2-xxx
VX065-75	AMS7410	---	AS568 and Molded Shapes	F	AS568 and Molded Shapes	F	AS568 and Molded Shapes	AS568 and Molded Shapes	VX065	VX065 A7410-xxx
<b>Tetrafluoroethylene-Propylene (TFE/P)</b>										
V1006-75	AMS7255	D	AS568	F	AS568	F	AS568	AS568	V1006	V1006 A7255-xxx
<b>Perfluoroelastomer (FFKM)</b>										
V8545-75	AMS7257	E	AS568	F	AS568	F	AMS7257-xxx	AMS7257-9yy	V8545	V8545 A7257-xxx

Document sources:

MIL, MS, AN, ZZ-R, and A-A documents can be viewed at <http://daps.dla.mil> by clicking on Quick Search and entering the document number.

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\*Test charges may apply. Contact the customer service department at 859-335-5100 for the latest information on applicable test fees.

\*\*The following sizes will have no identification marking and will have a nomenclature "NO IDENT" -001 through -010, -102 through -108, -201, -202, -901, and -902 (i.e., EM163 N1613-202/NO IDENT)

\*\*\*Conformance testing does not include Otto fuel II fluid immersion.

^The following sizes will have no identification marking and will have no "1W2B" nomenclature. -001 through -010, -102 through -108, -201, -202, -901, and -902 (i.e., E0540 M82744-202)