

## アメリカ国防総省向け MIL 規格適合ゴム材料 開発完了

アメリカ国防総省にて制定されている MIL 規格(United States Military Standard)に適合するゴム材料(NBR)を、自社の独自配合にて開発いたしました。本規格はアメリカ軍の資材調達に関する規格であり、軍仕様に耐えられる高品質且つ高信頼性が求められています。今後アメリカの航空機器関連へゴム製品を供給して行く予定です。



クランプ用クッションゴム/Clamp Cushion

## We have developed a rubber material certified to MIL standards for the U.S. Department of Defense.

MITSUBISHI RUBBER has developed a rubber material (NBR) that meets the MIL standard (United States Military Standard) established by the U.S. Department of Defense, using our original proprietary compound. This standard is a standard for procurement of materials for the U.S. military, and requires high quality and high reliability to withstand military specifications. We plan to supply rubber products to the U.S. aerospace industry in the future.

Physical properties	Physical properties (Original)			Fuel immersion	Hydraulic fluid immersion	Heat aging
	Test Item	Test Method	Required original properties	MIL-DTL-5624, JP-4, 163 hrs at +100F Requirements	MIL-PRF-5606 70 hrs at +156F Requirements	70 hrs at +275F Requirements
Hardness	ASTM-D2240	65-75 (Durometer "A")	-20 max.	-15 max.	+10 max.	
Tensile strength	ASTM-D412	2000 min. (psi)	-30% max.	-15% max.	-40% max.	
Elongation		500 min. (%)	-10% max.	-10% max.	-75% max.	
Tear strength	ASTM-D624 DIE"B"	300 min. (ppi)	-35% max.	-10% max.	-40% max.	
Specific gravity	ASTM-D297	As measured	—	—	± 2%	
Volume change	ASTM-D471	As measured	+15% max.	+10% max.	—	
		As measured (24hrs air dry)	+10% max.	+10% max.	-10% max.	
Flammability (Vertical)	14 CFR PART 25 Sec 25.853(a) [Amdt. 25-116] Appendix F Part I 12 sec VERTICAL TEST 1563° F	Requirements				
		The avg. burn time of the three samples after removal of flame shall be not greater than 15 sec.				
		The avg. burn length shall be less than the length of one of the cushion specimens.				
Compression set	ASTM D395 Method B Type1 (100°C × 70 hrs)	Requirements				
		The avg. CS value of three cushion material specimens shall be not greater than 55%				

Standard (MIL-DTL-850521/1L)



<問合先>

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