

Data Sheet: EP70 FDA USP Class VI / WRAS

MATERIAL: EPDM 70 SHORE FDA USP CLASS VI WRAS COMPLIANT TO CFR 21 177-2600, NSF61, ACS CONFORMITY

This compound meet the criteria of the FDA, Title 21, Paragraph 177.2600, as a direct contact material with food and pharmaceutical product and also meets the requirements of the 3A Sanitary Standards.

This compound has also been tested and certified by Toxikon Laboratory to be in compliance with the Criteria of the US Pharmacopeia, Class VI Biological Test for Plastics.

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -40°C to +145°C

LICENCE / CERTIFICATE:	USP Class VI 121°C	USP <381>
	NSF 61	ACS
	WRAS	KTW D1/D2, W270
	CE 1935/2004	3A 18-03 Class II
	FDA 177.2600	ADI Free

PHYSICAL PROPERTIES	TEST METHOD	TEST RESULT
HARDNESS SHORE A, POINT	ASTM D2240	72
TENSILE STRENGTH, MPa	ASTM D412	13.5
ULTIMATE ELONGATION, %	ASTM D412	210
MODULUS 100%, MPa	ASTM D412	4
COMPRESSION SET		
24 hrs @ 125°C, %	ASTM D395 B	12
HEAT AGEING 70 hrs @ 125°C		
HARDNESS CHANGE SHORE A, POINT	ASTM D573	0
TENSILE STRENGTH CHANGE, %	ASTM D573	+4
ULTIMATE ELONGATION CHANGE, %	ASTM D573	+3
EA14 WATER RESISTANCE 70 hrs @ 100°C		
-HARDNESS CHANGE POINT	ASTM D471	-3
-TENSILE STRENGTH CHANGE, %	ASTM D471	-5
-ULTIMATE ELONGATION CHANGE, %	ASTM D471	0
-VOLUME CHANGE, %	ASTM D471	+1

The above test results are based on test slabs / buttons. The results from the actual parts may be different.

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