

Data Sheet: FFKM3351

MATERIAL: PERFLUOROELASTOMER 75 SHORE

FFKM 75 Shore A Peroxide, black, with a broad chemical resistance.

Used as a standard compound in a variety of applications.

Meets the extractive requirements of: FDA 21 CFR 177.2600 & 177.2400, EC1935/2004 & USP CLASS VI & ADI FREE

Temp resistance from -10°C to +230°C

PHYSICAL PROPERTIES	TEST METHOD	REQUIRED	TEST RESULT
HARDNESS SHORE A	ISO 868	75±5	75
TENSILE STRENGTH, MPa	ISO 37		23
ELONGATION, %	ISO 37		197
MODULUS 100%	ISO 37		8.1
COMPRESSION SET			
70 hrs @ 200°C %	ASTM D395		16
LOW TEMPERATURE FLEXIBILITY			
TR-10°C	ASTM D1329		-3
H2SO4 98%			
VOLUME CHANGE %			0.1
H3PO4 40%			
VOLUME CHANGE %			0.1
ACETIC ACID 30%			
VOLUME CHANGE %			0.2
NAOH 40%			
VOLUME CHANGE %			0.1
MEK 100% @ 66°C			
VOLUME CHANGE %			0.7
TOLUENE 100% @ 93° C			
VOLUME CHANGE %			0.1
ACETONE 100% @ 93°C			
VOLUME CHANGE %			1.4
ISOPROPYL ALCOHOL @ 93°C			
VOLUME CHANGE %			1.5

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

Issue Date: 02.02.2021