

EPDM 65-compound 559311 blue - Technical Data Sheet

1. Introduction

EPDM 559311-compound has good resistance to ozone, ageing and weathering. Suitable for HFC & HFD flame retardant hydraulic oils and brake fluids. Exceptional resistance to hot water/steam and acids. FDA compliant to CFR 21 177-2600 and 3A 18-03 compliant to class 3 (except for milk fat test). This compound can be detected by metal detectors.



2. Product Description

Chemical Composition :	Polymer of Ethylene, Propylene + small amount of Diene Peroxide cured
Physical form :	Mouldings / O-rings
Colour :	Blue



* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values
Specific Weight	ISO 2781	1,61
Hardness	ISO 868	67 Shore A
Elongation	ISO 37	285 %
Tensile Strength	ISO 37	7,4 Psi
Compression Set 24h/100°C on slab	ISO 815	15,1 %
Heat Ageing 70h/100°C	ISO 188	
Hardness change		+2 Shore A
Elongation change		-14 %
Tensile strength change		-0,7 Psi
Weight loss		0,2%
Fluid Immersion ASTM 3, 70h/150°C	ISO 1817	
Volume change		+136,0 %
Hardness change		-39 Shore A
Elongation change		-155 %
Tensile Strength change		-3,8 Psi



4. Temperature Resistance

- 40° to +140°C

5. Advantages

- Metal detectable

