Neoprene® 75-compound 329303 Vulc-O-Ring - Technical Data Sheet

1. Introduction

The ERIKS Neoprene® 75 329303 compound is Peroxide cured FDA compliant to 177.2600.

2. Product Description

Chemical Composition	:	Polychloroprene Rubber, Peroxide cured
Physical form	:	Vulc-O-Rings / Mouldings / Cords / O-Rings
Colour	:	Black
Storage stability *	:	± 6 years

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	*Norm*	*Test Values*
Hardness	ISO 868	75° ± 5° Shore A
Specific Weight	ISO 2781	1,6
Tensile Strength at break	ISO 37	12,8 MPa
Elongation at break	ISO 37	490%
Compression Set	ISO 815	
22h/100°C, on slab		42%
Heat Ageing, 70h/100°C	ASTM D 573	
Hardness Change		+7%
Tensile Strength Change		+0,5 MPa
Elongation Change		-26%
Weight Change		0
Immersion in ASTM oil n°3, 70h/100°C	ISO 1817	
Hardness Change		-29%
Volume Change		+83%
Tensile Strength Change		-4 MPa
Elongation Change		+24%

4. Temperature Resistance

- -35° to +100°C

5. Chemical Resistance

Alkali	:	good
Air	:	very good
Alcohol	:	very good
Fats	:	good
Mineral oils	:	good
Vegetable oils	:	fair
Esters	:	poor
Ozone	:	very good
Steam	:	fair
Water	:	very good

6. Advantages

- Excellent resistance to weathering, ageing and ozone attack
- Good flame resistance
- Low swell in meneral oils, greases and water

7. Other Information

- This compound has been extraction tested by Clywdlab.
- This compound is ADI (Animal Derived Ingredient Free).

8. Other Information on Vulc-O-Rings

- Tolerances standard on cross section to ISO 3302.
- Tolerances on O-Ring inside diameter according ISO 3302 up to diam. 160 mm. Bigger diameters tolerances ±0,5%.
- Smooth surface.
- Can be produced to ±0,05 mm tolerance in cross section.

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