

CERTIFICATE OF QUALITY*April 05, 2018.***Client:****Material:** Polychloroprene (CR).**Standard:** ASTM D 2000 M2BC 703 B14 EO14 EO34 C12**Compound:** 2272

Main Properties	Specified	Value
Hardness, ASTM D2240, Shore A, ± 5	70	72
Tensile Strength, ASTM D412, min., MPa	3	6,3
Ultimate Elongation, ASTM D412, min., %	200	591
Compression Set, ASTM D395, method B, 22h at 100°C, max., %	80	40

Fluid Resistance, Teste Method D471, IRM 901 Oil, 70h at 100°C	Specified	Value
Change in Volume, %	-10 to +15	+7

Fluid Resistance, Teste Method D471, IRM 903, Oil, 70h at 100°C	Specified	Value
Change in Volume, %	+120	+70

Resistance to Ozone, ASTM D1171, 72h at 40°C	Specified	Value
Retention Capacity, %	100	100

Fire Resistance Tests	Specified	Value	
SMP 800 C	Approved	Approved	
ASTM E 162	I_s 35	$I_s = 9,6$	
ASTM E 662	Flaming	$D_s @ 90s$ 100	$D_s = 14,8$
		$D_s @ 240s$ 200	$D_s = 176,2$
	Smoldering	$D_s @ 90s$ 100	$D_s = 6,64$
		$D_s @ 240s$ 200	$D_s = 37,4$
ASTM E 1354	Q_{180s} 100 kW/m ²	$Q_{180s} = 97$ kW/m ²	
	180 s 500 m ² /kg	180 s = 134 m ² /kg	

Main Properties: Excellent physical properties, such as elongation, modulus, tensile strength, tear resistance, abrasion resistance, in addition to good behavior when exposed to certain oils, solvents, temperature, weathering and ozone.

Working temperature: -40 to +120 °C

Document issued electronically under the responsibility of quality control, waiver signing.

Marcos Leandro Martins
Chemist Responsible
CRQ - IV 04268711