

Z731

NBR 70 BLACK XLT

REV. 4

General Application

Temperature Range

From -55°C
To 120°C

General Environmental Application

Mineral Oils
Gas
UV Rays
Low Temperatures
Ozone

Compliances

Note

Ozone test:

The sample does not crack after 72 h at 40 °C with a concentration of 50 PPHM and elongation 20%

Disclaimer

Tests performed on test slabs. Temperatures, applications and indications are meant as basic suggestions and valid for static applications with no other specific media and or conditions.

PHYSICAL AND MECHANICAL PROPERTIES

Property	Test STD	Unit	Value
Density	ISO 2781	g/cm ³	1,20 ± 0,03
Hardness	ASTM D2240	ShA	70 ± 5
Tensile Strength	ISO 37	N/mm ²	>13
Elongation	ISO 37	%	>240
Tear resistance	ISO 34-1C	N/mm	>40
TR 10	ISO 2921	°C	<-49
Brittle Point	ISO 812	°C	<-57
C. Set 24h @100°C	ISO 815A	%	<25
C. Set 70h @100°C	ISO 815A	%	<12

AGEING PROPERTIES

Environment	Test STD	Unit	Value
Air 70h @100°C	ASTM D573		
	<i>Hardness Change</i>	ShA	+5
	<i>Tensile Strength</i>	%	+17
	<i>Elongation</i>	%	+5
	<i>Volume</i>	%	

	<i>Hardness Change</i>	ShA	
	<i>Tensile Strength</i>	%	
	<i>Elongation</i>	%	
	<i>Volume</i>	%	
Oil ASTM 1 70h @100°C	ISO 1817		
	<i>Hardness Change</i>	ShA	+3
	<i>Tensile Strength</i>	%	+37
	<i>Elongation</i>	%	-20
	<i>Volume</i>	%	-5
Oil ASTM 3 70h @100°C	ISO 1817		
	<i>Hardness Change</i>	ShA	-9
	<i>Tensile Strength</i>	%	-10
	<i>Elongation</i>	%	-18
	<i>Volume</i>	%	+23
	<i>Weigth</i>	%	

