



RUBBER SHEETS

PHYSICAL PROPERTIES AND TECHNICAL INFORMATION

CODE

4180

TRADE NAME

Peroxide EPDM Sheet

POLYMER:

EPDM

APPLICATION

Ethylene-propylene

CHARACTERISTICS	UNITS OF MEASURE	SPECIFICATIONS	VALUES	TOLERANCE
HARDNESS (H):	Sh.A3	ASTM D 2240	80	± 5
TENSILE STRENGTH (CR)	MPa	ASTM D 412C	12	min.
ELONGATION AT BREAK (AR)	%	ASTM D 412C	120	min.
TEAR STRENGTH	N/mm (.)	ASTM D 624B	25	min.
ABRASION RESISTANCE	mm ³	DIN 53516		
SPECIFIC GRAVITY	g/cm ³	DIN 53479	1,18	± 0,03

AGEING	Δ H	Sh.A3		3
In: Air	Δ CR	%	ASTM D 573	- 20
For: 72 h	Δ AR	%		- 40
At: 130 °C	Δ V	%		
AGEING	Δ H	Sh.A3		
In: Ozone	Δ CR	%	ASTM D 1149	OK
For: 70 h	Δ AR	%		
At: 30 °C- 100 pphm- all. 50	Δ V	%		
AGEING	Δ H	Sh.A3		-3
In: Water	Δ CR	%	ASTM D 471	
For: 72 h	Δ AR	%		
At: 50 °C	Δ V	%		+ 3

WORKING TEMPERATURES					
In Air	°C	ASTM D 573	min:	- 30	max: + 120
In Oil	°C	ASTM D 471	min:		max:
In Water	°C	ASTM D 471	min:		max: +100

MAIN CHARACTERISTICS					
Elasticity	Compression	Abrasion	Flame	Fuels	Ozone
GOOD/POOR	GOOD	GOOD	POOR	UNSUITABLE	EXCELLENT

This data sheet has been issued with the greatest care and it is the result of several proofs made in our laboratory, according to specific norms.

We don't ensure that the same tests carried out in other laboratories at the same conditions can give the same results.

The total extractives in the simulator of foods meet the FDA Specifications CFR 21 - Parts 170 to 199 - Item 177.2600 (e) and (f), therefore the rubber compound is suitable to come into contact with aqueous and fatty foods.