



# RUBBER SHEETS

## PHYSICAL PROPERTIES AND TECHNICAL INFORMATION

CODE	TRADE NAME
4660 Bianca	White EPDM Sheet for food contact*

POLYMER:	APPLICATION
EPDM	Ethylene-propylene

CHARACTERISTICS	UNITS OF MEASURE	SPECIFICATIONS	VALUES	TOLERANCE
HARDNESS (H):	Sh.A3	ASTM D 2240	60	± 5
TENSILE STRENGTH (CR)	MPa	ASTM D 412C	11	min.
ELONGATION AT BREAK (AR)	%	ASTM D 412C	550	min.
TEAR STRENGTH	N/mm (.)	ASTM D 624B	25	min.
ABRASION RESISTANCE	mm <sup>3</sup>	DIN 53516		
SPECIFIC GRAVITY	g/cm <sup>3</sup>	DIN 53479	1,16	± 0,03

AGEING	Δ H	Sh.A3		5
In: Air	Δ CR	%	ASTM D 573	- 10
For: 72 h	Δ AR	%		- 30
At: 100 °C	Δ V	%		

AGEING	Δ H	Sh.A3		
In: Ozone	Δ CR	%	ASTM D 1149	
For: 70 h	Δ AR	%		
At: 30 °C- 100 pphm- all.50	Δ V	%		

AGEING	Δ H	Sh.A3		-5
In: Water	Δ CR	%	ASTM D 471	
For: 72 h	Δ AR	%		
At: 100 °C	Δ V	%		+ 8

WORKING TEMPERATURES							
In Air	°C	ASTM D 573	min:	- 25	max:	+ 100	
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
POOR	POOR	POOR	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.

\* According to the test report, it is certified that the results obtained from the extraction test in water comply with the requirements of FDA - CFR 21 - Parts 170 to 199 - Item 177.2600 (e), therefore the rubber compound is suitable for contact with aqueous foods.