



RUBBER SHEETS

PHYSICAL PROPERTIES AND TECHNICAL INFORMATION

CODE	TRADE NAME
4660 60 BIANCA	White EPDM Sheet for food contact

VERS: 001

DATA: 11/08/2018

POLYMER:
EPDM

CHARACTERISTICS	UNITS OF MEASURE	SPECIFICATIONS	VALUES	TOLERANCE
HARDNESS (H):	Sh.A3	ISO 7619	60	± 5
TENSILE STRENGTH (CR)	MPa	ISO 37 - 1	12	min.
ELONGATION AT BREAK (AR)	%	ISO 37 - 1	550	min.
TEAR STRENGTH	N/mm (.)	ISO 34 C	15	min.
ABRASION RESISTANCE	mm ³	ISO 4649		
SPECIFIC GRAVITY	g/cm ³	ISO 2781	1,16	± 0,03

AGEING	Δ H	Sh.A3		5
In: Air	Δ CR	%	ISO 188	- 10
For: 72 h	Δ AR	%		- 30
At: 100 °C	Δ V	%		

AGEING	Δ H	Sh.A3		
In: Ozone	Δ CR	%	ISO 1431-1	OK
For: 70 h	Δ AR	%		
At: 30 °C- 100 pphm- all.50	Δ V	%		

AGEING	Δ H	Sh.A3		-5
In: Water	Δ CR	%	ISO 1817	
For: 72 h	Δ AR	%		
At: 100 °C	Δ V	%		+ 7

WORKING TEMPERATURES					
In Air	°C	ISO 188	min:	- 25	max: + 100
In Oil	°C	ISO 1817	min:		max:
In Water	°C	ISO 1817	min:		max: +100

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

We supply a semi-finished product that can be used to make products suitable for contact with food.

The plate was tested by a third laboratory:

- in compliance with European Regulation RE1935 / 2004 and D.M. 21/03/1973 and subsequent amendments, and was found to be suitable for contact with all aqueous (non-acidic) and acidic foods under the conditions reported in the attached test report
- in accordance with D.M. 174 dated 06/04/2004 and was found to be suitable for contact with drinking water under the conditions reported in the attached test report
- in compliance with FDA requirements and was found to be suitable to FDA-CFR21-Parts 170 to 199-Item 177.2600 paragraphs (a), (b), (c), (d) for contact with dry food, (e) and for contact with aqueous food as reported in the attached test report.

Tovo Gomma S.p.A. guarantees the compliance of the plate to the standards, laws and regulations above mentioned and the application of good manufacturing rules in the production phase.

The compliance of finished products, made with this semi-finished product (rubber sheet), must be ensured by the customer, after the execution of the required tests, carried out directly on the products.



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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.