



# RUBBER SHEETS

## PHYSICAL PROPERTIES AND TECHNICAL INFORMATION

CODE  
**7001 60 TR**

TRADE NAME  
**Transparent silicone food grade**

VERS: **004**

POLYMER:  
**VMQ (SILICONE)**

DATA: **23/08/2023**

CHARACTERISTICS	UNITS OF MEASURE	SPECIFICATIONS	VALUES	TOLERANCE
HARDNESS (H):	Sh.A3	ISO 7619	60	± 5
TENSILE STRENGTH (CR)	MPa	ISO 37 - 1	8	min.
ELONGATION AT BREAK (AR)	%	ISO 37 - 1	400	min.
TEAR STRENGTH	N/mm (.)	ISO 34 C	25	min.
ABRASION RESISTANCE	mm <sup>3</sup>	ISO 4649		
SPECIFIC GRAVITY	g/cm <sup>3</sup>	ISO 2781	1,16	± 0,03
COMPRESSION SET	%	ISO 815 - 1	30	max.

AGEING	Δ H	Sh.A3		10	
In: Air	Δ CR	%	ISO 188	-15	
For: 72 h	Δ AR	%		-30	
At: 180 °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	%			

WORKING TEMPERATURES						
In Air	°C	ISO 188	min:	-65	max:	+210
In Oil	°C	ISO 1817	min:		max:	
In Water	°C	ISO 1817	min:		max:	+100

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

Food grade for applications in contact with dry, aqueous and fatty foods  
 Conform to FDA - CFR 21 - Parts 170 to 199 - Item 177.2600 Par a) b) c) d) e) f)  
 Suitable for contact with drinking water  
 Conform to DM n°174 del 06-04-2004  
 Excellent resistance to high and low temperature  
 Excellent resistance to ozone, UV light, weathering and ageing  
 Good chemical resistance

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.