



RUBBER SHEETS

PHYSICAL PROPERTIES AND TECHNICAL INFORMATION

CODE
6000 75

TRADE NAME
FDA Approved Fluorinated sheet

VERS: **001**

POLYMER:
FKM

DATA: **11/08/2018**

CHARACTERISTICS		UNITS OF MEASURE	SPECIFICATIONS	VALUES	TOLERANCE
HARDNESS (H):		Sh.A3	ISO 7619	75	± 5
TENSILE STRENGTH (CR)		MPa	ISO 37 - 1	9	min.
ELONGATION AT BREAK (AR)		%	ISO 37 - 1	170	min.
TEAR STRENGTH		N/mm (.)	ISO 34 C	20	min.
ABRASION RESISTANCE		mm ³	ISO 4649		
SPECIFIC GRAVITY		g/cm ³	ISO 2781	1,90	± 0,03
C.SET (24h 70°C Comp. 25%)		%	ISO 815 - 1	20	max.
C.SET (24h 150°C Comp. 25%)		%	ISO 815 - 1	30	max.
AGEING		Δ H	Sh.A3	3	
In: Air		Δ CR	ISO 188	5	
For: 72 h		Δ AR		-10	
At: 150 °C		Δ V			
AGEING		Δ H	Sh.A3	-5	
In: IRM 903		Δ CR	ISO 1817	-10	
For: 72 h		Δ AR		-15	
At: 150 °C		Δ V		5	

WORKING TEMPERATURES	
In Air	°C
In Oil	°C
In Water	°C

ISO 188	min:	- 15	max:	+ 250
ISO 1817	min:		max:	+150
ISO 1817	min:		max:	+100

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

Continuous working temperature up to 250 °C and for short time up to 275 °C

Excellent resistance to oxygen, ozone and natural weathering

Excellent resistance against hydrocarbons, aliphatics, aromatic and chlorinated chemicals

Resistance to many of the solvents and chemicals, good resistance to acids

Excellent flame resistance

Complies with FDA-CFR21-Parts 170 to 199-Item 177.2600 Paragraph (a), (b), (c) with the exclusion of the contact with milk and edible oils (d) of the use in contact with dry food (e) with aqueous food (f) with fatty food

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.