

## DATA SHEET

### HARD EPDM

It belongs to the family of synthetic rubbers; It is an elastomer with good resistance to abrasion and wear, to atmospheric agents, acids and alkalis, and to chemical products in general, being susceptible to attack by oils and oils. It has properties such as electrical insulation. The working temperature ranges from -40 to 140.


It is obtained as a third monomer, and is especially useful for sealing phosphate ester hydraulic fluids, and in braking systems using glycol-based fluids. It is also used in joint sealing in automobiles, and as a waterproofing sheet for roofs in buildings.

### GENERAL PROPERTIES

- Excellent resistance to aging, even outdoors or at high temperatures, ozone and oxidation.
- Very good resistance to hot water and water vapor.
- Very good resistance to alkalis and acids, including oxidants and, in general, to all non-hydrocarbon chemical compounds.
- They are not suitable in contact with gasoline, greases, oils and hydrocarbon solvents.



### TECHNICAL DATA:

	70°	60°	50°	40°	FOOD CONTACT	TEST
<b>DENSITY (g/cm<sup>3</sup>)</b>	1,30 ± 0,03	1,20 ± 0,03	1,13 ± 0,03	1,06 ± 0,03	1,30 ± 0,05	UNE 53526
<b>HARDNESS Shore A</b>	70 (+/-5)	60 (+/-5)	50 (+/-5)	40 (+/-5)	60 (+/-5)	DIN ISO 7619-1
<b>ELONGATION (%)</b>	200	250	400	600	400	UNE ISO 37
<b>TENSILE STRENGTH (Mpa)</b>	6,0	6,0	9,0	8,0	8,0	UNE ISO 37
<b>TEMPERATURE MIN (°C)</b>	-35	-35	-35	-35	-25	
<b>TEMPERATURE MAX (°C)</b>	120	120	120	120	120	
<b>N. FIREPROOF AND FLAME RETARDANT</b>	 EN-45545					
<b>COLOUR</b>	●	●	●	●	○ ☞	
<b>Ozone resistance</b>	EXCELENT	EXCELENT	EXCELENT	EXCELENT	EXCELENT	
<b>Weather resistance</b>	EXCELENT	EXCELENT	EXCELENT	EXCELENT	EXCELENT	
<b>Acid resistance</b>	GOOD	GOOD	GOOD	GOOD	GOOD	
<b>Base Resistance</b>	EXCELENT	EXCELENT	EXCELENT	EXCELENT	EXCELENT	
<b>Oil resistance</b>	NO APROPIATE	NO APROPIATE	NO APROPIATE	NO APROPIATE	NO APROPIATE	

### APLICACIONES

The applications of this elastomer covers many industrial sectors, such as sealing gaskets for flanges, solar panels, electronic equipment.

It is also a material widely used in structural supports in buildings, and coatings for environments that are in contact with chemical products.

