

# T620 XIIR (Halogenated butyl)



## BUTYL 60 SHEETING FOR TECHNICAL APPLICATIONS

### FEATURES

High grade halogenated butyl.

### APPLICATIONS

Gaskets or washers cutting and manufacturing of pieces for general industrial purpose applications in contact with:

- maximum temperature +140 °C: water, steam
- maximum temperature +80 °C: sea water, swimming pool water, water washing
- maximum temperature 20 °C: sulphuric acid (concentration ≤95%), nitric acid (concentration ≤50%)
- maximum temperature 70 °C: hydrochloric acid (concentration ≤37%)
- maximum temperature 80 °C: lime, potash, soda (concentration ≤100 °C)

### ADVANTAGES

- ▮ Good resistance to diluted acids and bases
- ▮ Excellent ageing resistance
- ▮ Excellent ozone resistance
- ▮ Excellent low and high temperature resistance
- ▮ Good abrasion resistance and compression set values
- ▮ Low air permeability
- ▮ Excellent impermeability to gases
- ▮ Resistant to most inorganic substances
- ▮ High resistance to mineral acids and alkalis
- ▮ Resistant to ketones and low molecular weight alcohols
- ▮ Matte finish to guarantee a good surface finished quality and to secure an easy unrolling.

### BENEFITS

- ▮ Performance
- ▮ Reliability
- ▮ Safety
- ▮ Service life

## MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
<b>MECHANICAL</b>				
Rubber compound - black			XIIR (Halogenated butyl)	I
Density			1.27 ±0.05	g/cm <sup>3</sup>
Hardness	ASTM D2240		60 ±5	Shore A
Tensile strength	ISO 37		≥8	MPa
Elongation at break	ISO 37		≥400	%
Compression set after 22h at 70 °C	ISO 815-1		≤25	%
<b>TEMPERATURE</b>				
Working temperature			-40/+130	°C
<b>AGEING</b>				
Δ Hardness after 168h at 70 °C	ASTM D573		≤5	Shore A
Δ Tensile strength after 168h at 70 °C	ASTM D573		≤-15	%
Δ Elongation at break after 168h at 70 °C	ASTM D573		≤-40	%
Ozone resistance, 100pphm, 48h, 38 °C, 20%	ASTM D1149 type A		No crack	
<b>CHEMICAL RESISTANCE</b>				
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons	
Very good	Good	Very good	Non suitable	
<b>IDENTIFICATION</b>				
Branding	Without.			
Packaging	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.			
Wrapping	Black polyethylene film.			
Labelling	Self-adhesive label indicating product name, dimensions, area in m <sup>2</sup> , nominal weight, and product code to allow product traceability.			

Unless typographical error, information and figures of our technical datasheet are based on our experience and laboratory tests according to international standards. This data is intended to be used as a guideline only. Material performance depends on the conditions of use and the final application.

XIIR (Halogenated butyl)		BUTYL 60 SHEETING		T620	
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m <sup>2</sup>	SIDES FINISH	
1±0.2	1400±2%	20±2%	1.27	2 SIDES MATT	
2±0.3	1400±2%	15±2%	2.54	2 SIDES MATT	
3±0.3	1400±2%	10±2%	3.81	2 SIDES MATT	
4±0.4	1400±2%	10±2%	5.07	2 SIDES MATT	
5±0.4	1400±2%	10±2%	6.34	1 SIDE SMOOTH/1 SIDE MATT	
6±0.5	1400±2%	10±2%	7.61	1 SIDE SMOOTH/1 SIDE MATT	
8±0.7	1400±2%	5±2%	10.15	1 SIDE SMOOTH/1 SIDE MATT	
10±1.0	1400±2%	5±2%	12.68	1 SIDE SMOOTH/1 SIDE MATT	

