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	
MECHANICAL			
Rubber compound - black		XIIR (Halogenated butyl)	l
Density		1.27 ±0.05	g/cm³
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	%
TEMPERATURE			
Working temperature		-40/+130	°C
AGEING			
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	
CHEMICAL RESISTANCE			

Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
Very good	Good	Very good	Non suitable

IDENTIFICATION	
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 m2, 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.

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THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m²	SIDES FINISH
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
10 ±1.0	1400 ± 2 %	5 ± 2 %	12.68	1 SIDE SMOOTH/1 SIDE MATT

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