

S T620

TECHNICAL SHEETING

BLACK XIIR (HALOGENATED BUTYL) 60

FOR TECHNICAL APPLICATIONS BUTYL 60 SHEETING



MECHANICAL & PHYSICAL PROPERTIES

MECHANICAL

<i>Rubber Compound</i>	XIIR (Halogenated butyl)
<i>Rubber Color</i>	Black
<i>Density</i>	1.27 g/cm ³ ±0.05
<i>Hardness (ISO 48-4)</i>	60±5 Shore A
<i>Tensile strength (ISO 37)</i>	≥8 MPa
<i>Elongation at break (ISO 37)</i>	≥400 %
<i>Compression set (ISO 815-1)</i>	22h @ 70 °C : ≤25%

TEMPERATURE

<i>Working temperature</i>	-40/+130 °C
----------------------------	-------------

AGEING

<i>Δ Hardness (ISO 188)</i>	168h @ 70 °C : ≤5 Shore A
<i>Δ Tensile strength (ISO 188)</i>	168h @ 70 °C : ≤15%
<i>Δ Elongation at break (ISO 188)</i>	168h @ 70 °C : ≤40%
<i>Ozone resistance (ASTM D1149, method B, proc. B1)</i>	100pphm, 48h, 38 °C, 20%: No crack

CHEMICAL RESISTANCE

<i>Diluted acids and bases</i>	Very good
<i>Concentrated acids and bases</i>	Good
<i>Ozone</i>	Very good
<i>Oils and hydrocarbons</i>	Non suitable

FEATURES

- High grade halogenated butyl.

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.

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)

MAINTENANCE RECOMMENDATION

- Always follow manufacturer warnings and instructions when using any cleaning product.

**Asbestos
FREE**

**RoHS
compliant**

**REACH
compliant**

DIMENSIONS

Article number	Stock Situation	Thickness (mm)	Width (mm)	Length (mm)	Weight	Side 1 finish	Side 2 finish	Type of insertion	Number Of Insertions	Inner car-board tube Ø mm
SMT62000002001	STD NOT STOCK	2	1400 ±2%	15000 ±2%	2,52	Matt	Matt	-	0	80 mm
SMT62000003001	STD STOCK	3	1400 ±2%	10000 ±2%	3,78	Matt	Matt	-	0	80 mm
SMT62000004001	STD STOCK	4	1400 ±2%	10000 ±2%	5,07	Matt	Matt	-	0	80 mm
SMT62000005002	STD STOCK	5	1400 ±2%	10000 ±2%	6,34	Matt	Smooth	-	0	
SMT62000006001	STD NOT STOCK	6	1400 ±2%	10000 ±2%	7,56	Matt	Smooth	-	0	
SMT62000008001	STD NOT STOCK	8	1400 ±2%	5000 ±2%	10,08	Matt	Smooth	-	0	
SMT62000010001	STD NOT STOCK	10	1400 ±2%	5000 ±2%	12,68	Matt	Smooth	-	0	

IDENTIFICATION

Labelling	Self-adhesive label indicating product name, dimensions, area in m ² , nominal weight, and product code to allow product traceability. (94/62/EC - LDPE4)
Wrapping	Black polyethylene film.(94/62/EC - LDPE4)
Packaging	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm in roll.

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.