Rev. 12
Date: 17/05/2021

BUTYLVER

"Butyl sealant (first-barrier) for insulating glass units"

APPLICATION FIELD

● One-part sealant totally solvent free especially formulated for internal insulation (first-barrier) of double glazed units. Minimum water vapour and gas permeation, ageing UV resistance, excellent adhesion properties on glass and metals.

TECHNICAL DATA

● **BASE**	Polyisobutylene.	
● **COLOUR**	Black.	
● **CONSISTENCY**	Solid mass, thermoplastic (*).	
● **CHANGE IN VOLUME**	Negligible.	EN ISO 10563
● **DENSITY** (20 °C)	1.09 ± 0.03 [gr/cm³]	EN ISO 1183-1
● **PENETRATION** (60 °C)	50 – 65 [0.1 mm]	ISO 2137
● **WATER VAPOR TRANSMISSION RATE**	< 0.1 [gr/m²·d]	EN 1279-4
● **GAS PERMEATION RATE** (Ar)	< 0.03 [gr/m²·d]	EN 1279-4
● **VOLATILE CONTENT** (70 °C)	≤ 0.06 [%]	EN 1279-4
● **THERMAL CONDUCTIVITY**	0.20 [W/m·K]	EN 10077-2
● **SERVICE TEMPERATURES**	- 40 °C to + 80 °C	
● **COMPATIBILITY**	Compatibility with all materials which might eventually come in direct and/or indirect contact with Butylver, shall be verified before usage. For details, please contact info@fenzigroup.com.	

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APPLICATION

● Application surfaces must be clean, dry and free from fatty residue. Butylver shall be applied at a temperature between 120 °C and 150 °C using appropriate extruders.

STORAGE

● Keep in dry and fresh rooms. In such conditions Butylver sealant can be stored for at least one year.

PRODUCT CLASSIFICATION

● Not dangerous according to regulations in force. Apply for MSDS at safety@fenzigroup.com.

PACKING

● Available in cylinders of 1 Kg. (Ø 99.6 mm), 2 Kg. (Ø 130 mm), 2.5 Kg. (Ø 143 mm) and 7 Kg. (Ø 190 mm).
Available as tape Ø 1.7 mm (boxes 22 rolls, 55 m/each).
Available as tape 3.0 × 0.6 mm (boxes 92 rolls, 30 m/each).
Available in drums of 200 Kg.

PRODUCT DISCLAIMER

(*) Butylver is a functional thermoplastic sealant and consequently, movements of the product towards the insulating glass visible area are possible over time without constituting failure of the system. Movements could be caused by insulating glass design, installation and by external factors as climate, wind load and pressure differences. FENZI Group does not assume any responsibility for such aesthetic occurrences.