



SEALANT AND MASTIC

Butyl sealant and mastic are elastic, un-vulcanized, tacky and self-adhesive compound. These are used in tape, sheet and lump form. Butyl sealant are used for general purpose construction sealing for the bedding of glass, sealing for windshield in automotive area and also sealing tape and Gunn able mastic used as after seals for windows, as vibration damping material on panel & doors and as miscellaneous sealant on frame & body members.

Mastic tapes are used in cable jointing of electrical and telecommunication lines, which act as vibration and heat proofing electrical insulating and sealing material. The major advantages noted for butyl based sealant in field performance are their permanent flexibility, tackiness, elongation, outstanding age and weather resistance and resistance to hardship and very good chemical & thermal stable with low vapor transmission and non-fogging characteristics.

Product Feature:

Stress Grading Mastic

- High permittivity self-adhesive un-vulcanized polymeric material.
- Used over ferrule area and over exposed conductor in termination and straight through joints
- Fills the air void between ferrule, conductor, insulator and stress control tube
- Eliminates electrical discharge and distributes the voltage evenly around the conductor area
- Controls the occurrence of high electrical stress at the point of termination of insulation
- Provides a smooth surface for the stress control tube.

Red and Black Mastic

- Low permittivity, self-adhesive un-vulcanized polymeric material
- Used as sealing material over the conductor at termination points
- High resistance to electrical conduction

Typical Properties:

- Physical Form: Rolled in released paper.
- Color: Brown, Red, Yellow, Black
- Size: As per customer's requirement.
- Softening Point: 100°C ~ 150 °C
- Needle Penetration: 25 ~ 100 unit
- Volume Resistivity: $1 \times 10^9 \sim 1 \times 10^{14}$ ohm cm.

- Dielectric Strength: > 10 KV / mm
- Permittivity Value: 5 ~ 20

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