

UIC TYPE RUBBER VESTIBULE BELLOWS

Technology: Transfer Moulding FRLS (*Fire Retardant Low Smoke*)



Application : Elastomer Flange connection for Inter communication between Passenger Coaches

Basic Polymer used	Poly chloroprene
Operation Temperature	-10°C to 70°C
Operational Atmosphere	Heavy Dusty /Corrosive /Salty
Operational Humidity	0 to 100%
Physical Properties of Elastomer	
Shore `A` Hardness	65 to 75
Tensile Strength	>1600 N/cm ²
Elongation at Break	>350 %
Tear Strength	>300 N/cm ²
Resistance to Abrasion	<150 cub.mm
Ageing Test at 70°C for 7 days	+ / - 20% of original value
Flexibility Test	85 % Minimum at 27°C & at minus 10°C

FRLS Properties

Resistance to spread of flame	Class `B` or better
Limiting Oxygen Index	28.0 minimum
Deterioration of visibility due to smoke	Class `B` or better

Ecological Properties

Toxicity Index	<1.50
Resistance to Ozone	No cracks

Note: Design, Dimension & Properties can be changed to suit customer's requirement.

Application : Elastomer Flange connection for Inter communication between Passenger Coaches