Description

Heat cured FR8775 is a silicone rubber which cures after the addition of a vulcanising agent (chosen as a function of the production process). FR8775 is available in hardness 75 shore A. The FR8775 is specially designed to manufacture rubber parts for fire resistance applications.

Availability

Mouldings, Profile Extrusions, Sheeting, Coils

Applications

Production of profiles (doors, windows, walls) and panels used in rolling stocks, and any flexible moulded articles which need to combine high fire performances with low smoke emissions.

Special Properties

- Easy processing
- Good heat stability from -55°C to +200°C
- Excellent fire resistance
- LSOH: Low smoke, zero halogen
- Non-toxic and non-corrosive smoke emission during fire
- Tested according to EN45545 part 2 (fire protection of railway vehicles)

Mechanical Properties

PROPERTY	TYPICAL VALUE
Specific gravity (at 25°C, approx.)	1.28
Shore A Hardness (approx.)	73
Tensile strength (MPa approx.)	10.2
Elongation at break (%, approx.)	320
Tear strength (kN/m, approx.)	19
Volume resistivity (IEC 60093 Ohm.cm, approx.)	8.1×10^{15}
Dielectric constant (IEC 60250, at 1 MHz, approx.)	3.0
Dielectric dissipation factor (IEC 60250, at 1 MHz, approx.)	3×10^{-3}

Fire Resistance

CLASSIFICATION	TYPICAL VALUE
IEC 60695-11-10	V0
EN 45545 Part 2	R1 HL2 R7 HL2
BS 6853	Category 1A Table 7

Convertors and suppliers of die cut gaskets, tape, sheeting, fabrications, machined plastic components, rubber mouldings, extrusions and adhesives.