

Description

Extruded material of any geometry, according to customer sample or plan (you can find it in our web application at www.merefsa.com) to determine the length of the roll, upon request. Available both in translucent and in any colour according to RAL tables.

Extruded and crosslinked in an oven using peroxide:

Bis(2,4-dichlorobenzoyl) peroxide, 50% oil silicone. (CAS: 133-14-2)

Characteristics

Temperature of service: -60°C a +200°C

Good mechanical properties

Excellent behaviour to most chemical agents

Resistant to UV and ozone gas (O₃)

Excellent dielectric behaviour (practically insulating)

Non-porous and water-repellent surface

Toxicity regulations: CFR 21 FDA 177.2600; Reglamento CE 1935/2004

REACH / RoHS regulation

Technical information: Silicone VMQ (Vinil Metil Polisiloxano) of high temperature vulcanization.

Tolerances: Conforms to Norm ISO 3302-1: 2014 Class E2

PROPERTIES	TEST	VALUES						
HARDNESS [Shore A]	ISO 7619-1	20 (±5)	30 (±5)	40 (±5)	50 (±5)	60 (±5)	70 (±5)	80 (±5)
DENSITY [g/cm ³]	DIN EN ISO 1183-1A	1.1	1.12	1.13	1.15	1.16	1.18	1.20
TENSILE STRENGTH [N/mm ²]	ISO 37-1	>6.0	>6.5	>7.0	>8.0	>8.0	>8.5	>7.0
ELONGATION [%]	ISO 37-1	>500	>400	>350	>300	>250	>225	>175
TEAR STRENGTH [N/mm]	ISO 34 ASTM D 624 C	>12	>13	>15	>17	>17	>18	>16

(*) Curing conditions 7 min at 120 °C. Data obtained after postcured 4h at 200°C. Hardness values are obtained after cure.

All this information shown is based on test in our laboratory. It is the client's responsibility to prove the suitability of the material for its application. Non-toxic material as long as the material is post cured. The material must be stored in its original packaging in a dry environment away from direct solar radiation.

