

MATERIAL Silicone 70 Shore FDA-BfR/USP Class VI Translucent

DESCRIPTION Platinum cured Silicone
USP Class VI 121°C for 1 hour
European Pharmacopeia 7th Edition, Section 3.1.9
FDA compliant to CFR 21 177-2600 "Rubber Articles Intended for Repeated Use"

APPLICATION This material has excellent thermal resistance to both high and low temperatures, is good with oxygen and ozone attack.

TEMPERATURE Low temperature service limit -76°F (-60°C)
Upper temperature continuous service limit +446°F (+230°C)

PRODUCTS Extrusions (cords/profiles/tubes)
Hot Vulcanised O rings

PHYSICAL PROPERTIES

ORIGINAL	STANDARD	TYPICAL VALUES
Specific Gravity	ISO 1183-1A	1.18g/cm ³
Durometer shore A	DIN 53505	70
Elongation % at break	DIN 53504-S1	720%
Tensile strength Psi (Mpa)	DIN 53504 S1	10 N/mm ²
Tear resistance (N/mm)	ASTM D 624 B	32,0 N/mm
Compression set % 22h @ 347°F (175°C)	DIN ISO 815-B	13%
Rebound resilience	DIN 53512	55%

Information

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