

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. Good physical properties, extreme purity and CL.

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

PRODUCTS Moulding (custom/O rings)

PHYSICAL PROPERTIES

ORIGINAL	STANDARD	TYPICAL VALUES
Specific Gravity	ISO 1183-1A	1.17g/cm ³
Durometer shore A	DIN 53505	70
Elongation % at break	DIN 53504-S1	609%
Tensile strength Psi (Mpa)	DIN 53504 S1	10,30 N/mm ²
Tear resistance (N/mm)	ASTM D 624 B	34,0 N/mm
Compression set % 22h @ 347°F (175°C)	DIN ISO 815-B	37%
Rebound resilience	DIN 53512	58%

Information

The above information corresponds to our current knowledge and is offered solely to provide possible suggestions for your own experimentations. It is not intended to substitute any testing you may need to conduct to determine suitability of our products for your end use. Northern Engineering reserves the right to revise this information as new knowledge and experience becomes available. Northern Engineering makes no warranties and assumes no liability in connection with any use of the above information.