

# Data Sheet: S70 USP Class VI

## MATERIAL: SILICONE 70 SHORE USP CLASS VI

This material has been developed to support use of this silicone rubber in pharmaceutical processing and food processing applications.

This material has been formulated using only those ingredients determined by the United States Federal Food and Drug Administration (FDA) to be in accordance with Code of Federal Regulations Title 21 (CFR21), Section 177.2600.

The desirable traits of cleanliness, low odour index are exhibited by our compound so that our customers receive a silicone rubber product that leads the industry in cleanliness and purity.

**COLOUR:** CLEAR (TRANSPARENT)

**GENERAL SERVICE TEMPERATURE RANGE:** -50°C to +200°C

**CERTIFICATES / LICENCES:** USP Class VI 121°C  
FDA CFR21 177.2600

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS IRHD	ASTM D2240	70
TENSILE STRENGTH, MPa	ASTM D412	11.3
ULTIMATE ELONGATION, %	ASTM D412	260
MODULUS @ 100%, MPa		2.68
MODULUS @ 200%, MPa		3.44
MODULUS @ 300%, MPa		4.52
<b>COMPRESSION SET</b>		
22 hrs @ 177°C, %	ASTM D395	35

*The above test results are based on test slabs / buttons. The results from the actual parts may be different.*

**Issue Date: 30.01.2014**