

Precision Polymer S75T

Silicone

Precision Polymer Engineering Ltd.

Message:

Translucent Silicone Rubber, 66-75 °IRHD. Silicone rubber having both methyl and vinyl substituent groups on the polymer chain. Silicone compound in conformity with USP class VI. Formulated using only those ingredients authorised by BGA XVA and FDA CFR21 Section 177.2600. Extraction tested. Also complies to the requirements of USP VI, NF20, 2002.

Excellent mechanical, physical and chemical stability over the temperature range of -40° to +180°C. Excellent behaviour when sterilised. High transparency grade, intended for food contact, pharmaceutical and biomedical applications.

General Information			
Features	Compliance of Food Exposure		
Uses	Drug		
	Medical/nursing supplies		
Agency Ratings	FDA 21 CFR 177.2600		
	USP Class VI		
Appearance	Translucent		
Hardness	Nominal Value		Test Method
IRHD Hardness	70		ASTM D1415, ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9.50	MPa	ASTM D412, ISO 37
Tensile Elongation (Break)	450	%	ASTM D412, ISO 37
Compression Set			
175°C, 24 hr	42	%	ASTM D395B
175°C, 24 hr ¹	42	%	ISO 815
Thermal	Nominal Value	Unit	
Maximum Operating Temperature	250	°C	
Low Temperature Resistance - Non-brittle after 3 mins	-60	°C	
Additional Information	Nominal Value	Unit	
Minimum Operating Temperature: -40°C (-40°F)			
NOTE			

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