Dow Corning® QP1-70

Silicone

Dow Corning Corporation

Message:

Translucent, Uncatalyzed Silicone Rubber Base
APPLICATIONS
Dow Corning® QP1 Silicone Elastomer Bases are an uncatalyzed material designed for compounding into elastomer used for part fabrication of medical devices and device components including those intended for implantation in humans for less than 30 days and non-implant applications.
DESCRIPTION
Dow Corning QP1 Silicone Elastomers are a one-part high consistency rubber base which is supplied absent any catalyst. Once compounded with peroxide it can be used to fabricate parts by extrusion, calendaring or molding. When compounded and cured as indicated, the resulting elastomer consists of cross-linked dimethyl and methyl-vinyl siloxane copolymers and reinforcing silica.

General Information	
Features	Good coloring
Uses	Medical/nursing supplies
Agency Ratings	USP Class VI
Appearance	Translucent
Processing Method	Extrusion Calendering Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm³	ASTM D792
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	66		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (200% Strain)	4.10	MPa	ASTM D412
Tensile Strength	12.7	MPa	ASTM D412
Tensile Elongation (Break)	470	%	ASTM D412
Tear Strength [1]	24.7	kN/m	ASTM D624
Compression Set (177°C, 22 hr)	75	%	ASTM D395

Additional Information
Values taken from samples made with Perkadox PD-50S.

NOTE	
1.	B mould

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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WECHAT