

SQUARE® LIM3966-70A/B Liquid Silicone Rubber

Product Description:

70 shore A hardness, 2-part, 1 to 1 mix, transparent, injection molding grade liquid silicone rubber.

Key Features:

- High transparence
- Good rebound property
- High tear strength
- Excellent thermal and cold stability
- Outstanding resistance to ageing

Typical Product Data

Name	2parts	Model/Lot No.	LIM3966-70A/B
Test items	Unit	Standard	Result
Color		A: TRANSPARENT B:BLACK	
Hardness (first cure)	Shore A	D792	70±2
Density	g/cm ³	DIN 53 479A	1.13
Tensile strength	MPa	D412 DIE C	≥8.5
Elongation at break	%	D412 DIE C	≥440
Tear strength	KN/m	D624 DIE B	≥32
Linear shrinkage	%	JISK 6301	≥2.5
Rebound	%		70
Viscosity	750Pa.s		
Mixing ratio	A:B=1:1		
TC90	145° C: 40-44S; 165° C: 27-30S		
Grade	UL-94-V0		
Remarks: These values are for reference only, pls contact us for detail.			

Applications

- Molding

How to use

Ready-to-use mixtures (component A and B) are fed directly to injection molding machine from the original containers by means of a metering end mixing unit (called static mixer). The mixture (at the mixing ratio 1: 1) is injected into the heated mould. The shelf life is 5 days (23° C) after mixing. The pipeline should be cleared if the machine won't work for long time.

Packaging

SQUARE® LIM3966-70A/B are available in 20kgs pails or 200kgs drums.

SQUARE® LIM3966-70A/B Liquid Silicone Rubber

Storage and usable life

When stored at or below 32° C in the original unopened containers, this product has a usable life of 12 months from the date of production. Storage beyond the date mentioned does not necessarily mean that the product is no longer usable, in this case however, the properties required for the intended use must be checked for quality assurance reasons.

Curing

SQUARE® LIM3966-70A/B TC90=40-44 seconds under 145° C with 2mm thickness sample sheets. The curing time depends on the thickness and the cure temperature used. Cure can be inhibited by contact with certain materials such as amins, sulphur and tin complexes.

Handling and Safety

Material safety data sheets are available upon request from Shenzhen Square Silicone.

Shenzhen Square Silicone Materials Co., Ltd

Huizhou Square Silicone Materials Co., Ltd

Pingdi Branch Factory of Shenzhen Square Silicone Materials Co., Ltd

Headquarter Add: 6th building, New Indl. Park, Xia Li Lang, Buji Town, Longgang Distt, Shenzhen China 518112

Tel: 86- 755-28805066、 28805099

Fax: 86-755-28805428

www.squaresilicone.cn