



1-1. Food grade

Description:

It is a two parts and platinum curable liquid silicone rubber for injection molding process with good fluid.

Main Features:

- Good rebound
- High tensile and tear strength
- Fine thermal and weather ability
(Temp. from -50 °C ~ 230 °C)
- Yellowing resistance
- USA FDA CFR 21. Part.177.2600, EN14350-2
Section 4.9 testing standards for volatile compounds
- ROHS and REACH certificate



Applications

Various food mold for making cake, chocolate and sugar, etc., precision casting mold.

Technical Datasheet

Properties	Test Method	Unit	LIM3906-40A/B	LIM3906-50A/B	LIM3906-60A/B	LIM3906-70A/B
Appearance	Visual		Transparent	Transparent	Transparent	Transparent
Viscosity	DIN53019	mPa.s	(60 ~ 65) X10 ⁴	(60 ~ 65) X10 ⁴	(85 ~ 95) X10 ⁴	(85 ~ 100) X10 ⁴
Gravity	D792		1.08	1.10	1.13	1.16
Hardness Shore A	D2240	°A	40±2	50±2	60±2	70±2
Tensile Strength	D412	MPa	>9.5	>8.5	> 7.5	>7.0
Tear Strength	D624B	kN/m	>32	>30	> 30	>25
Elongation at Break	D412	%	>800	>600	> 400	>350
Rebound	Resiliometer	%	>60	>60	> 65	>65

Testing condition:

- Cure 10 minutes at 140°C, post cure 2 hours at 200°C.
- The product should be stored in a cool, dry, ventilated and sunlight shielding place. The storage period is 12 months.
- The above data is for reference only, please contact us for more information.



1-2. Baby care

Description:

It is a two parts and platinum curable liquid silicone rubber for injection molding process. It is particularly developed for manufacturing of baby products.

Main Features:

- Excellent transparency
- High tensile and tear strength
- Good rebound
- Fine thermal and weather ability
(Temp. from -50 °C ~ 230 °C)
- Yellowing resistance
- USA FDA CFR 21. Part. 177.2600, EN14350-2
Section 4.9 testing standards for volatile compounds
- ROHS and REACH certificate



Applications :

Baby pacifiers, bottles, baby tableware, breast pump seal ring and baby toys, ect.

Technical Datasheet:

Properties	Test Method	Unit	LIM3900 -20 A/B	LIM3900 -30A/B	LIM3900 -40A/B	LIM3900 -50A/B	LIM3900 -60A/B	LIM3900 -70A/B
Appearance	Visual		Transparent	Transparent	Transparent	Transparent	Transparent	Transparent
Viscosity	DIN53019	mPa.s	(60~80) ×10 ⁴	(75~100) ×10 ⁴	(75~150) ×10 ⁴	(70~90) ×10 ⁴	(70~100) ×10 ⁴	(80~90) ×10 ⁴
Gravity	D792		1.08	1.09	1.10	1.10	1.12	1.13
Light Transmittance	6mm	%	≥80	≥80	≥80	≥80	≥80	≥80
Rebound	Resiliometer	%	≥45	≥45	≥55	≥58	≥65	≥60
Hardness Shore A	D2240	°A	20±2	30±2	40±2	50±2	60±2	68±2
Tensile Strength	D412	MPa	≥6.5	≥8.5	≥8.5	≥8.5	≥8.5	≥8.5
Tear Strength	D624B	kN/m	≥8.0	≥15	≥27	≥30	≥30	≥32
Elongation at Break	D412	%	≥950	≥880	≥600	≥500	≥450	≥440
Compression Set	DIN53 517 22hrs at 175°C	%	≤25	≤25	≤25	≤25	≤25	≤25

Testing condition:

- Cure 10 minutes at 140°C, post cure 4 hours at 200°C.
- The product should be stored in a cool, dry, ventilated and sunlight shielding place. The storage period is 12 months.
- The above data is for reference only, please contact us for more information.



1-3.High tear-baby care

Description:

It is a two parts and platinum curable liquid silicone rubber for injection molding process. It is particularly developed for manufacturing of baby products.

Main Features:

- High tensile and tear strength
- Excellent transparency
- Good rebound
- Fine thermal and weather ability
(Temp. from -50 °C ~ 230 °C)
- Yellowing resistance
- USA FDA CFR 21. Part. 177.2600, EN14350-2
Section4.9 testing standards for volatile compounds
- ROHS and REACH certificate



Applications:

Baby pacifiers, bottles, baby tableware, breast pump seal ring and baby toys, etc.

Technical Datasheet

Model	LIM3940AJY/BJY			For Reference		
Uncured	Inspection Method		Unit	Standard	1 st Value 140°Cx10min	2 nd Value 200°Cx2H
	Appearance			Transparent	Transparent	
	Viscosity	NIN53019	mPas	100~200X10 ⁴		
Cured	Specific Density	D792	g/cm ³	1.08~1.12	1.10	1.10
	Hardness Shore A	D2240	°A	38~42	42	43
	Light Transmittance	6mm	%	≥78	83	83
	Rebound	Resiliometer	%	≥50	61	62
	Tensile Strength	D412	MPa	≥9.1	10.50	10.01
	Elongation at Break	D412	%	≥600	755	762
	Tear Strength	D624B	kN/m	≥30	34.6	41.2
	Linear Shrinkage	JISK6301	%	2.0~3.0	2.11	2.6
Model	LIM3950AH/BH			For Reference		
Uncured	Inspection Method		Unit	Standard	1 st Value 140°Cx10min	2 nd Value 200°Cx2H
	Appearance			Transparent	Transparent	
	Viscosity	NIN53019	mPas	100~200X10 ⁴		
Cured	Specific Density	D792	g/cm ³	1.08~1.12	1.1	1.11
	Hardness Shore A	D2240	°A	38~42	51	51
	Light Transmittance	6mm	%	≥78	78	78
	Rebound	Resiliometer	%	≥50	58	58
	Tensile Strength	D412	MPa	≥9.1	10.54	10.04
	Elongation at Break	D412	%	≥600	646	587
	Tear Strength	D624B	kN/m	≥30	39.7	40.2
	Linear Shrinkage	JISK6301	%	2.0~3.0	2.19	2.5

Testing condition:

- Cure 10 minutes at 140°C , post cure 2 hour at 200°C.
- The product should be stored in a cool, dry, ventilated and sunlight shielding place. The storage period is 12 months.
- The above data is for reference only, please contact us for more information.



1-4. Low volatile-baby care

Description:

It is a two parts and platinum curable liquid silicone rubber for injection molding process with low volatile. It is particularly developed for manufacturing of baby products.

Main Features:

- Low volatile
- Excellent transparency
- High tensile and tear strength
- Good rebound
- Fine thermal and weather ability (Temp. from -50 °C ~230 °C)
- Yellowing resistance
- USA FDA CFR 21. Part.177.2600, EN14350-2
Section 4.9 testingstandards for volatile compounds
- ROHS and REACH certificate



Applications:

Baby pacifiers, bottles, baby tableware, breast pump seal ring and baby toys, etc.

Technical Datasheet

Properties	Test Method	Unit	LIM3911-30 A/B	LIM3911-40 A/B	LIM3911-50 A/B	LIM3911-60 A/B
Appearance	Visual		Transparent	Transparent	Transparent	Transparent
Viscosity	DIN53019	mPa.s	(75~100) ×10 ⁴	(75~150) ×10 ⁴	(70~90) ×10 ⁴	(70~100) ×10 ⁴
Gravity	D792		1.09	1.10	1.10	1.12
Light Transmittance	6mm	%	≥80	≥80	≥80	≥80
Rebound	Resiliometer	%	≥45	≥55	≥58	≥65
Hardness Shore A	D2240	°A	30±2	40±2	50±2	60±2
Tensile Strength	D412	MPa	≥8.5	≥8.5	≥8.5	≥8.5
Tear Strength	D624B	kN/m	≥15	≥27	≥30	≥30
Elongation at Break	D412	%	≥880	≥650	≥500	≥450
Compression Set	DIN53 517 22hrs at 175°C	%	≤25	≤25	≤25	≤25

Testing condition:

- Volatile<0.75% after first cure 10 minutes at 140°C , post cure 1 hour at 200°C.
- The product should be stored in a cool, dry, ventilated and sunlight shielding place. The storage period is 12 months.
- The above data is for reference only, please contact us for more information.