



# IP Silicone extrusion elastomer



## Product Description

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Jones self-developed silicone seal material has excellent water/gas sealing property, erosion resistance and long service life and wide operating temperature range. The section and length of the production can be designed according to customers' operating environment, and the interface can be the same as other parts through special adhesive technology. What's more, Jones series IP silicone material has excellent mechanical property and compression set as well as wide hardness and flame rating range. Consequently it can be widely used in aerospace, communication and medical treatment fields.

## Features and Benefits

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- Low compression set and excellent water/gas sealing property
- High strength and elongation
- Wide operating temperature range
- Long service life

## Typical Applications

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Jones series IP silicone material can be widely used in water/gas sealing of vessel and airplane, communication equipment with high IP grade shield box as well as the sealing of medical and electronic equipment.

## Typical Properties

Property	Standard	41-375	41-376	41-378	41-402
Hardness range, Shore A, ±5	ASTM D 2240	50±5	50±5	60±5	55±5
Color	/	Orange	Grey	Black	Grey
Density (g/cm <sup>3</sup> ), ±0.25	ASTM D792	1.2	1.3	1.2	1.2
Tensile strength, MPa, Min	ASTM D412	4	3.5	4	6
Elongation at break, %, Min	ASTM D412	300	250	300	400
Tear strength, kN/m, Min	ASTM D624	8	10	8	10
Operating Temperature Range, °C	ASTM D1329	-55~160	-55~160	-55~160	-55~160
Compression set, % (100°C*70h*30%), Max	ASTM D395	5	10	20	5
Flaming retardance	UL 94	HB	V0	HB	HB
Processing		extrusion	extrusion	extrusion	extrusion

## Contact Information

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# IP Silicone Gasket-mold Elastomer



## Product Description

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Jones self-developed silicone seal material has excellent water/gas sealing property, erosion resistance and long service life and wide operating temperature range. The section and length of the production can be designed according to customers' operating environment, and the interface can be the same as other parts through special adhesive technology. What's more, Jones series IP silicone material has excellent mechanical property and compression set as well as wide hardness and flame rating range. Consequently it can be widely used in aerospace, communication and medical treatment fields.

## Features and Benefits

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- Low compression set and excellent water/gas sealing property
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## Typical Applications

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Jones series IP silicone material can be widely used in water/gas sealing of vessel and airplane, communication equipment with high IP grade shield box as well as the sealing of medical and electronic equipment.

## Typical Properties

Property	Standard	40-728	40-742	41-347	41-348	41-337
Hardness range, Shore A, ±5	ASTM D 2240	30±5	50±5	35±5	60±5	70±5
Color	/	Blue	Black	Grey	Black	Black
Density (g/cm <sup>3</sup> ), ±0.25	ASTM D792	1.1	1.2	1.2	1.3	1.3
Tensile strength, MPa, Min	ASTM D412	3.5	5	3	5.5	8
Elongation at break, %, Min	ASTM D412	600	300	550	500	800
Tear strength, kN/m, Min	ASTM D624	8	10	9	14	20
Operating Temperature Range, °C	ASTM D1329	55~160	55~160	55~160	55~160	55~160
Compression set, % (100°C*70h*30%), Max	ASTM D395	10	10	15	30	20
Flaming retardance	UL 94	HB	HB	V0	V1	HB
Processing		mold	mold	mold	mold	mold

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# IP Silicone Gasket-over mold elastomer



## Product Description

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## Typical Properties

Property	Standard	40-728	40-742	41-392	41-394	41-337
Hardness range, Shore A, ±5	ASTM D 2240	30±5	50±5	35±5	60±5	65±5
Color	/	Blue	Black	Grey	Black	Black
Density (g/cm <sup>3</sup> ), ±0.25	ASTM D792	1.1	1.2	1.3	1.3	1.3
Tensile strength, MPa, Min	ASTM D412	3.5	5	3	5	8
Elongation at break, %, Min	ASTM D412	600	300	800	600	800
Tear strength, kN/m, Min	ASTM D624	8	10	8	18	20
Operating Temperature Range, °C	ASTM D1329	-55~160	-55~160	-55~160	-55~160	-55~160
Compression set, % (100°C*70h*30%), Max	ASTM D395	10	10	20	20	20
Flaming retardance	UL 94	HB	HB	V0	V0	HB
Processing		co-mold	co-mold	co-mold	co-mold	co-mold

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