

RTV 7888-10 and RTV 7888-20

Condensation Cure Mouldmaking Compounds

Product Description RTV7888-10 and RTV7888-20 are two part, high strength, condensation cure, mouldmaking products. In addition to their other features, these products offer extended mouldlife against polyester a time and cost savings advantage for our customers. These products were designed specifically for the figurine market.

- Key Performance Properties**
- Extended mouldlife against polyester
 - Low viscosity easy flow
 - High tear strength
 - Low durometer grades 10 and 20 Shore A
 - Variety of cure options

Typical Product Data

Base Properties	RTV7888-10	RTV7888-20
Colour	white	white
Viscosity, mPa.s	30.000	45.000
Density, g/cm ³	1.25	1.25
Cat. Properties	Beta 16	Beta 16
Colour	red	red
Viscosity, mPa.s	30	30
Density, g/cm ³	0.97	0.97
Mix Ratio	10:1	10:1
Mixed Properties		
Colour	pink	pink
Viscosity, mPa.s	18,000	30,000
Density, g/cm ³	1.22	1.22
Mix Ratio	10:1	10:1
Durometer, Shore A	12	20

Typical Product Data

Work Life, min	60	60
Potlife, min	90	90
Tack Free Time, min	360	360
Tensile Strength, MPa	2.8	3.5
Elongation, %	450	350
Tear Strength, N/mm	20	23
Shrinkage,% ^(a) 7 days	0.51	0.43

*1.5 % catalyst used suitable for pour molding

(a) Information is provided for customer convenience only. These properties are not measured on a routine basis.

Specifications Typical product data values should not be used as specification. Assistance and specifications are available by contacting Momentive performance materials Technical Service RTV1 and RTV2.

Instructions for Use **Mixing**

Select a mixing container 4-5 times larger than the volume of RTV silicone rubber compound to be used. Weigh out the RTV silicone rubber base compound and add the appropriate amount of curing agent. Shake catalyst thoroughly prior to use. With clean tools, thoroughly mix the RTV base compound and the curing agent, scraping the sides and bottom of the container carefully to produce a homogeneous mixture. When using power mixers, avoid excessive speeds, which could entrap large amounts of air or cause overheating of the mixture, resulting in shorter pot life.

Deaeration

Air entrapped during mixing should be removed to eliminate voids in the cured product. Expose the mixed material to a vacuum of about 10-20 mbar. The material will expand, crest, and recede to about the original level as the bubbles break. Degassing is usually complete about two minutes after frothing ceases.

Automatic equipment designed to meter, mix, deaerate and dispense two-component RTV silicone rubber compounds will add convenience to continuous or large volume operations.

Curing

RTV7888 series is designed to cure at room temperature and 50% RH. When using Beta 16 expected cure is 24 hours. This system is sensitive to changes in heat and humidity, therefore, variation in cure speed may be seen if one or both variables are changed.

Handling and Safety Material Safety Data Sheets are available upon request from Momentive performance materials. Similar information for solvents and other chemicals used with the Momentive performance materials products should be obtained from your supplier. When solvents are used, proper safety precautions must be observed.

Storage and Warranty Period The warranted shelf life will be indicated by the 'use before date' on the associated documents with a minimum of 4 months when stored in the original unopened containers below 27° C.

Availability Beta 16 is available in 1.8 kg can, RTV7888-10 is available in 25 kg pail and RTV7888-20 in 204 kg drum and in 25 kg pail.



PRINCIPAL LOCATIONS – Regional Information

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Pacific	Akasaka Park Building - 5-2-20 Akasaka Minato-ku, Tokyo 107-6112 Japan	T +81.3.5544.3100	F +81.3.5544.3101

CUSTOMER SERVICE CENTERS

North America	Charleston, WV 25314, USA E cs-na.silicones@momentive.com		
	• Specialty Fluids	T 800.523.5862	F 304.746.1654
	• UA, Silanes, Resins, and Specialties	T 800.334.4674	F 304.746.1623
	• RTV Products-Elastomers	T 800.332.3390	F 304.746.1623
	• Sealants and Adhesives & Construction	T 877.943.7325	F 304.746.1654
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	• Argentina & Chile	T +54.11.4862.9544	F +54.11.4862.9544
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