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Simi-Flex RU-280 A/B Product Data Sheet

Product Description and Applications

RU-280 A/B—80 A Shore is a two-component, semi-flexible urethane elastomer that is easy to process. Applications include automotive, tooling, architectural flexible moldings, prototype, Special FX, coatings and any application where rapid cure, high resiliency, firm rubber part is required. Parts can be easily stained with either oil or water based paints.

Available Sizes: Quart Kit (3 lbs) Gal Kit (10 lbs) 5 Gal Kit (50 lbs) 55Gallon Drum Kits

Unique Characteristics

- Easy to Process
- Fast Demold

TYPICAL PHYSICAL PROPERTIES

(For Components)	Component A	Component B ***Needs to be PRE-MIXED
Viscosity (cps):	300	1250
Mix Ratio, by Weight:	25	100
Mix Ratio by Volume:	18	82
Color:	Brown	Off White

(For Cured Material)	Test Method	Results
Shore A Hardness:		80
Tensile Strength (psi):	ASTM D-638	1300
Elongation %:	ASTM D-638	150
Tear Resistance (pli):	ASTM D-624	280
Coverage:		20.85 in ³ /lb

REACTIVITY DATA

Gel Time: 7 minutes
De-mold Time: 25-45 minutes

Mixing & Curing Instructions

Measure out proper amounts of components, 1 part A to every 4 parts B, ensuring ***B component has been premixed*** prior to blending components together. Once blended, pour into silicone RTV mold and allow part to cure, 25-45 minutes, depending on thickness of part, temperature of materials and mold. If part is highly detailed, work material into the mold surface for best results. Parts can be easily stained with oil or water based paints. **Material will release from Silicone RTV mold surface, but release agent is suggested to pro-long mold life. The technique of applying ER 2300 spray mold release onto mold followed by a light dusting of mold with talc or like powder will help improve overall mold life.

Storage

RU 280 A/B is sensitive to cooler weather under 75°F and can begin crystallizing and solidifying. If material becomes lumpy and grainy due to cold weather, reheating material to 125° to 150°F will bring material back to original viscosity. Electric drum or pail heater will need to be used to avoid material problems. Call Technical support for further information.

THE INFORMATION AND DATA CONTAINED HEREIN ARE BASED ON INFORMATION WE BELIEVE RELIABLE. EACH USER OF THE MATERIAL SHOULD THOROUGHLY TEST ANY APPLICATION AND INDEPENDENTLY CONCLUDE SATISFACTORY PERFORMANCE BEFORE COMMERCIALIZING. SUGGESTIONS OF USES SHOULD NOT BE TAKEN AS INDUCEMENTS TO INFRINGE ON ANY PARTICULAR PATENT.