



# CSTR400-65

**Description:** CSTR400-65 is a 60 to 70 Shore A durometer silicone HCR roller stock designed for high abrasion, high tear applications.

## BENEFITS

- Available in almost any pre-form allowing for greater efficiencies in your manufacturing process.
- Easy storage
- Fast and easy cleanup
- Ease in processing.

## APPLICATIONS

- Abrasian Resistant Rollers.

## CRI-SIL SERVICES

- Custom silicone compounding
- Processing Assistance
- Fast Quoting
- Free Samples

### Key Features:

- Available in other colors.
- Excellent tear strength.
- Heat Resistance 400-450°F.
- Good release qualities.

### How To Use:

CSTR400-65 is available as a base (you will need to add your own pigment and catalyst), or fully compounded and ready to incorporate into your roll building process.

### Storage and Shelf Life:

When stored at or below 32C (90F), this material has a shelf-life of 6 months from the date of manufacture.

### Limitations:

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

### Property:

- Classification
- Specific Gravity
- Color
- Polymer Type

### Typical Value:

CSTR – Roller Stock  
1.19  
Off-White  
VMQ

### Food-Grade Products:

The components of CSTR400-65 are not listed in 21 CFR 177.2600. This FDA regulation deals with rubber articles intended for repeated use in contact with food. CRI-SIL Silicone Technologies does not recommend this material for such applications.

### Packaging:

CSTR400-65 comes packaged standard in 100 lb boxes (90 lb Net Wt). Packaging/Pre-form can be altered depending on customer process.

|                                      | <u>Typical Value</u>    |
|--------------------------------------|-------------------------|
| <b><u>Basic Physicals</u></b>        |                         |
| Durometer (Shore A), pts             | 66                      |
| Tensile, psi                         | 1429                    |
| Elongation, %                        | 663                     |
| 100% Modulus, %                      | 303                     |
| Tear B                               | 308                     |
| <b><u>Electrical</u></b>             |                         |
| Volume Resistivity, ohm/cm           | 1.68 x 10 <sup>15</sup> |
| Permittivity (Dielectric Str), KV/mm | 18.6                    |
| Dielectric Constant, @50Hz           | 3.029                   |
| Dissipation Factor, @1000Hz          | 0.00062                 |

\*Properties obtained on a 2 mm thick (0.08 inches) slab: DHBP catalyzed formulation press cured 10 minutes @ 175°C (350°F).

# Limited Warranty Information

Please Read Carefully

## DISPOSAL

CRI-SIL CSTR400-65 should be disposed of in accordance with local and federal regulations.

## WRITING SPECIFICATIONS

The values listed here are considered "Typical Values" and therefore not intended for use in preparing specifications. Please contact CRI-SIL Silicone Technologies prior to writing specifications on these products.

## MORE INFORMATION

For more information on any of our products or services please visit us on the Web at:  
[www.cri-sil.com](http://www.cri-sil.com)

*The information contained herein is offered in good faith and is believed to be accurate. However, because end-use manufacturing conditions vary, this information should not be used in substitution of actual product testing to ensure full satisfaction for the intended end use.*

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