



Silicone Technologies, LLC

359 Hill Street, Biddeford, ME 04005 •  
Tel: (207) 283-6422 • Fax: (207) 283-6551  
[www.crisil-silicones.com](http://www.crisil-silicones.com)

ISO 9001:2000 Certified

CRI-SIL Silicone Technologies, LLC  
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**PRODUCT**

EX747

**Product Description**

CRI-SIL HCR Silicone Rubber EX747 sponge base is an un-catalyzed 45 durometer non-post cure silicone base. Which when cured properly will exhibit medium tear resistance.

**Cure Conditions:**

Catalyzed with 1.2 pph of DCLBP-50\* to 100 pph base  
Press Cured: 10 min @ 250°F

**Properties**

**Typical Results**

Plasticity	250
Specific Gravity	1.19
Durometer (Shore A)	47
Tensile psi	1369
Elongation %	679
100% Modulus	120
Tear B, ppi	163

\*2,4 diclorobenzol peroxide



### **Key Features**

-No Post Cure  
-Ideal to use in sponge compounds where a small amount of vinyl is required. Depending on the users formulation the added vinyl can increase cure speed and improve compression set.

### **Storage and Shelf Life**

When stored at or below 32C (90F), the EX747 has a shelf life of 12 months from the date of manufacture.

### **Packaging**

CRI-SIL EX747 sponge base is supplied in 50 lb and 1000 lb boxes, net weight.

### **Fabrications**

Fabricators should make their selection of peroxide catalyst based of their specific fabrication method(s), desired properties, and safety considerations.

The optimum cure cycle will greatly depend on the method of processing used and the physical dimensions of the vulcanized product. Specific application may require the use of an air oven post cure.

In addition our CRI-SIL dispersions (CSD) can be added to these bases to improve various attributes.

### **Dispersion      Use when you want to \_\_\_\_\_**

CSD002-HA      To Improve heat age resistance

CSD005-MO      To remove bloom issues from  
2,4- Dichlorobenzoyl peroxide and  
to improve hydrocarbon oil resistance

CSD006-PA      To reduce plasticity

CSD0015-5M      To lower material costs and increase  
specific gravity

CSD0016-FR      To improve the flame resistance

Please see specific CSD Technical Data Sheets of additional information.

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