

# Compound Data Sheet

## CS 40 Shore Black Steam Cured

### Typical Physical Properties

Polymer Type – Natural Rubber

Shore Hardness (IRHD) – 40±5  
ISO 48 - 2010

Tensile Strength (MPa) – 18 Mpa  
ISO 37 - 2011

Elongation @ Break (%) – 550%  
ISO 37 - 2011

Specific Gravity – 1.08 ± 0.02  
ISO 2781 - 2008

Rebound Resilience – 70%  
ISO 4662 - 2017

Abrasion Loss – 150mm<sup>3</sup>  
BS 903. Part A8 1990

Maximum Operating Temperatures – 70°C  
(Not Continuous Use)

### Other Parameters

Autoclave curing at 300Kpa for 90 mins.

Adhesion tests should be done on a 200mm x 200mm carbon steel test plate. A strip of 25mm should be cut and pass 9.8Kg of force to be considered a pass. (SANS 1201:2005)

Product Code – CS-A40-BSC

Our steam cured 40 shore black rubber is ideal for the lining of tanks, chutes, launders, pulleys, pipes and hoses where good general-purpose lining is required.

Exceptional for wet slurry abrasion applications.

Not recommended for use with oils, Acids and hydrocarbon solvents and strong oxidizing agents.

### BONDING SYSTEMS AND STORAGE REQUIREMENTS

**Carst & Walker**  
VS05, VS82, VS86  
**Rema**  
800, 820, 860  
**Impilo**  
280, 282, 286  
**Chemlok**  
205, 6411 (Platework only)  
Other bonding systems may be used at the applicators discretion.

Ideally stored in a constantly cool environment at approximately 16 – 21 ° C for maximum shelf life. = of 16 days. Can be stored at higher temperatures but shelf life will be decrease.

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Approved by Ron Govender

This information is based on current knowledge and experience at the time of publishing. It is provided as a guideline for the product and its uses and does not guarantee its suitability for a particular application. It is the customers responsibility to ensure that the product is suitable to the application it is used for. There maybe slight variations in colour between batches due to natural materials used. AU Industries reserves the right to change these technical specification without prior notification.