

# Certificate of Conformity

## Connection Systems Dust Cap Seal

**Connection Systems** confirms that the Dust Cap Seal enclosed has been manufactured from CFR Compliant virgin, silicone rubber. This Dust Cap Seal has been inspected according to Connection Systems Standard Operating Procedure No: SOP 143 and is certified free from any imperfections:

Nominal Diameter:	300mm*
Batch No:	6257/9524
Part No:	995/300/B
Material:	Silicone Rubber
Colour:	Blue
Curing:	Post cured for 4 hours at 200° C

This dust Cap Seal is certified as conforming to CFR Standard:  
Title 21, Chapter 1, Schedule 177.2600  
U.S.P. Class VI

**TSE/BSE Statement:**

We confirm that no materials derived from Animal Origin are used in the manufacture of these products , and no intermediates and/or auxiliary agents of animal origin have been used.

# 300 B

Approved by:                     *S. O'Lozano*                     Date:                     17 JUNE 2016                    

Name:                     *SHAWN O'LOZANO*                     Position:                     *DOCUMENTATION Controller*                    

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# Yield Stress and Strain

Yield stress is the stress at which a material begins to deform plastically. Prior to the yield point the material will deform elastically and will return to its original shape when the applied stress is removed. Once the yield point is reached, permanent deformation occurs. Further increase of the stress causes more and more permanent deformation.

Stress	Strain
0	0
100	0.001
200	0.002
300	0.003
400	0.004
500	0.005
600	0.006
700	0.007
800	0.008
900	0.009
1000	0.010

The yield strength of a material is the maximum stress that it can withstand before it begins to deform permanently. It is a measure of the material's resistance to plastic deformation.

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