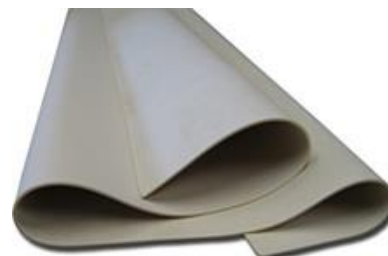




Compound Technical Data Sheet

CS01 Silicone, 50 Duro – Cured Sheet

CS01 silicone from PD3 Technologies is a 50 durometer, high strength silicone supplied in a pre-cured sheet. It is optimized for toughness, chemical resistance, and high elongation. It has a shelf life of at least 25 years if stored indoors.



CS01 can be bonded to various substrates using RTV adhesive, including Dow 732 and Momentive RTV100 series adhesives. It may also be bonded to uncured high temperature vulcanization silicone (S72x PD3). For technical, quality, or product safety questions, please contact PD3 Technologies. CS01 is stocked at 0.062" thick sheet, up to 72" width, grey, with a fabric surface texture. Other hardness, thicknesses, colors, and surface finishes are available as a custom order.

Physical Property	Test Method	Typical Value
Specific Gravity	ASTM D297	1.14
Hardness (Durometer, Shore A)	ASTM D2240	50
Elongation (%)	ASTM D412	1110%
Tensile Strength (psi)	ASTM D412	1458
Tear Strength (ppi)	ASTM D612, Die B	201
Temperature Use Range	NA	-80° to 450° F
Compression set (70 hrs. 212F)	ASTM D395 Method B	12%
CTE $\mu\text{in/in } ^\circ\text{F}$	ASTM E 831	150×10^{-6}
Color	NA	Grey
Part Number:	NA	CS01-50

Typical values should not be considered minimum values for qualification purposes. Users are encouraged to conduct their own testing to determine the suitability for their application.