



Stockwell
ELASTOMERICS

TECHNICAL DATA SHEET

ESS4722



Material Description | Platinum Catalyzed HCR Silicone

The ESS4722 series is a high purity solid silicone series that is designed to maintain higher tensile strength and higher tear strength compared to traditional silicone foam or sponge material. This material comes in 20 and 30 durometer option for applications that require low closure force as well as a non-optically clear, translucent, 40 durometer option. Due to this series being a platinum catalyzed High Consistency Rubber (HCR), its low durometer options display low oil secretion.

ESS4722 Material Details

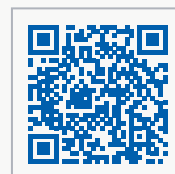
Typical Values*

	ESS4722-20	ESS4722-30	ESS4722-40	Test Method
Durometer Shore "A"	22 +/- 5	30 +/- 5	40 +/- 5	ASTM D2240
Color	Black	Off-White	Translucent	
Temperature Low	-54°C (-80°F)	-54°C (-80°F)	-54°C (-80°F)	
Temperature High	232°C (450°F)	232°C (450°F)	232°C (450°F)	
Elongation, max %	500	825	825	ASTM D412
Tear "B", ppi	100	90	165	ASTM D624
Specific Gravity, g/cc	1.07	1.07	1.13	ASTM D297
Compression Set, % (25% comp)	<10 (RT / 70hrs)	<5 (70°C / 70hrs)	<5 (70°C / 70hrs)	ASTM D395
	<12 (70°C / 70hrs)	<32 (150°C / 70hrs)	<32 (150°C / 70hrs)	
Tensile Strength, psi	900	850	1350	ASTM D412

Key Specifications:

Stockwell Elastomerics offers this material in 36" widths at continuous lengths. Standard thickness options range from 0.010" to 0.500" with different thicknesses available upon request. Pre-production and full production parts made from ESS4722 series material can be both waterjet and die cut, with or without an adhesive backing.

Scan To Learn More:



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