

# DK153/DK154 DATA SHEET

DK153: with pressure sensitive adhesive (PSA)  
DK154: without pressure sensitive adhesive (PSA)

## General Information

**COMPOSITION:** DK153/DK154 is a black SBR rubber and granulated cork that is intimately mixed, keyed to a cotton scrim backing and vulcanized. During the vulcanization process the cork, rubber and cotton backing form a permanent bond providing strength, resilience and stability to the parts fabricated from the DK153/DK154. A chemical reaction during the vulcanization process imparts sponginess to the material for improved compressibility and sealing properties. After vulcanization the DK153/DK154 is sanded to gauge. The sanding process exposes the granulated cork providing a material with high surface friction.

**STORAGE:** DK153/DK154 should be stored in a relaxed, unstressed condition. The maximum storage temperature is 85°F (30°C) away from ozone forming equipment such as electric motors, transformers, etc. and away from direct sunlight. Material may be stored under these conditions for up to 2 years.

## ASTM Physical Property Information

Property	Test Method	Unit	Typical Value
• Hardness	ASTM D 2240	Shore A	42
• Density	ASTM F 1315	g/cm <sup>3</sup>	.625 (or 39lb/ft <sup>3</sup> )
• Volume Change	ASTM F 146 Fuel A	%	+23.5
• Volume Change	ASTM F 146 Fuel B	%	+45.5
• Volume Change	ASTM F 146 IRM 903 (Formerly Oil #3)	%	+44.4
• Volume Change	ASTM F 146 IRM 901 (Formerly Oil #1)	%	+9.3
• Flexibility	ASTM F 147-09 IRM-901	n/a	No Cracks
• Tensile Strength	ASTM F 152(B)	Mpa	1.45 (or 210psi)
• Compressibility @ 400 PSI	ASTM F 36(B)	%	44.85
• Minimum Recovery	ASTM F 36(B)	%	91.42
• Compressibility @ 100 PSI	ASTM F 36(F)	%	30.75
• Minimum Recovery	ASTM F 36(F)	%	92.53
• Thermal Conductivity, K	ASTM F 433	W/m*K	0.120

**DK153/DK154 Complies with the European Union REACH & RoHS Directives**

**DK153 can be certified to AMS-T-6841 & other certifications on request**

## Dimensions, Tolerances & Contact Information

• Material Thickness	1/32 (0.79mm) 1/16 (1.59mm) 5/64 (1.98mm) 3/32 (2.38mm) 1/8 (3.18mm)
• Thickness Tolerance	1/32 -0/+0.010 (0.25mm) 5/64 +/- .005 (0.13mm) All Others +/- .010 (0.25mm)
• Adhesive	PSA is an acrylic base with 60 lb. liner. Total thickness .0055 (0.14mm) Adhesive thickness .002 (0.05mm) Liner thickness .0035 (0.09mm)
• Widths	From 1-1/4 inch (31.75mm) to 36 inch (914.4mm)
• Roll Length	From 50 feet (15.2m) to 900 feet (274m) depending on thickness

*Distributed By:*

**Advanced Gasket & Supply, Inc.**  
3336 Stuart Drive Fort Worth, TX 76110  
Phone: 817-927-0500 Fax: 817-927-0554  
Website: [www.advancedgasket.com](http://www.advancedgasket.com)