

DURAFOAM™ DK Series

U.L. Recognized DURAFOAM™ DK Series: DK1111, DK2121, DK3131, DK4141, DK5151

The DURAFOAM™ DK Series is the only full line of ASTM SCE 41 through SCE 45 that is recognized to UL 50, UL 157, UL 508, UL 94HF-1, and Canadian listing CAN/CSA C22.2 No. 017-9.

DURAFOAM™	DK1111XS	DK2121	DK3131	DK4141	DK5151
Color	Black	Black	Black	Black	Black
Density (PCF Approx.)	5+/-2	6 +/-2	9 +/-2	10 +3/-2	13 +/-4
Polymer SEE NOTE B	Neoprene/EPDM Polymeric Blend				
ASTM-D-1056-67 & 68, Grade #	SCE 41	SCE 42	SCE 43	SCE 44	SCE 45
ASTM-D-1056-91 & 07, SAE J18-R7/92	2C1	2C2	2C3	2C4	2C5
Compression Set, Suffix B2 @ 25% Deflection	PASS	PASS	PASS	PASS	PASS
Compression Deflect. @ 25% Deflection	2-5 PSI	5-9 PSI	9-13 PSI	13-17 PSI	17-25 PSI
Water Absorp. By Weight Max, ASTM Mthd	5% (10% Allowed)	5% (10% Allowed)	5% (10% Allowed)	5%	5%
Temperature Resist Low °F/High °F SEE NOTE A	-40/+250	-40/+250	-40/+250	-40/+250	-40/+250
Elongation % Min.	150	150	150	150	150
Heat Aging (7 days @ 158°F) +/- 30% Max CD Change	30	PASS	PASS	PASS	PASS
Tensile Strength (psi) Aprox.	90 PSI	100 PSI	100 PSI	125 PSI	150 PSI
Ozone 20% Stress, 72 hrs @ 100 PPHM, ASTM-D-1171-94; 1149 -91; GM6086M; GM4486P; Chrysler MSAY 527	Pass	Pass	Pass	Pass	Pass
Oil Resistance, Fluid Immersion E1 (7 days @ 23°C or 74°F)	Pass	Pass	Pass	Pass	Pass
Flame Resistance to UL 94 HF1, FMVSS302	Pass U.L.#E208679	Pass U.L.#E208679	Pass U.L.#E208679	Pass U.L.#E208679	Pass U.L.#E208679
Flame Resistance to Canadian CAN/CSA C22.2 # 017-92	Pass U.L.#E208679	Pass U.L.#E208679	Pass U.L.#E208679	Pass U.L.#E208679	Pass U.L.#E208679
U.L. 50, U.L. 157, U.L. 508	Pass U.L.#JMLU2 MH10200	Pass U.L.#JMLU2 MH10200	Pass U.L.#JMLU2 MH10200	Pass U.L.#JMLU2 MH10200	Pass U.L.#JMLU2 MH10200

Note A: For temperature resistance lower and/or higher than the above figures, please contact technical assistance. Under certain conditions, values greater than -40/+250 are possible

Note B: Our materials are manufactured to ASTM-D-1056 and other related ASTM Standards. ASTM specifies physical performance, not polymers nor polymer content. Our lab is equipped to certify to all the ASTM specifications either customer specified or on our physical properties chart. If a particular polymer or polymer content is required, please contact us with your specific requirements.

Chemical Resistance			
Oxidation Resistance Aliphatic Hydrocarbons Aromatic Hydrocarbons Petroleum, Crude Natural Gas Gasoline, Fuel Oil Lubricating Oils	Excellent Excellent Excellent Excellent Excellent Excellent Excellent	Animal, Vegetable Oils Water Swell Resistance Acid, Dilute Sodium Hydroxides Chlorinated Solvents Oxygenated Solvents	Excellent Excellent Excellent Excellent Excellent