March 1, 2006

# 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 & CANADIAN LISTING CAN/CSA C22.2 NO. 017-92.**

**Further the listing is for a minimum thickness of 1.5 mm for all grades.**

| DURAFOAM™ | DK1111 | DK2121 | DK3131 | DK4141 | DK5151 |
|---|---|---|---|---|---|
| COLOR | BLACK | BLACK | BLACK | BLACK | BLACK |
| DENSITY (PCF APPROX.) | 5 | 7 | 13.5 | 14.5 | 16 |
| POLYMER | NEOPRENE/ EPDM BLEND | NEOPRENE/ EPDM BLEND | NEOPRENE/ EPDM BLEND | NEOPRENE/ EPDM BLEND | NEOPRENE/ EPDM BLEND |
| ASTM-D-1056-67 & 68, GRADE # | SCE 41 | SCE 42 | SCE 43 | SCE 44 | SCE 45 |
| ASTM-D-1056-91 & 00 SAE J18-R7/92 | 2C1 | 2C2 | 2C3 | 2C4 | 2C5 |
| 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 ºF/High ºF | -40/+250 | -40/+250 | -40/+250 | -40/+250 | -40/+250 |
| ELONGATION % Min | 150 | 150 | 150 | 150 | 150 |
| HEAT AGING, 7 days @ 158ºF) CD % Max. Change | 30 | 30 | 30 | 30 | 30 |
| TENSILE STRENGTH Min. | 90 psi | 120 psi | 175 psi | 200 psi | 225 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 @ 23ºC or 74ºF | PASS | PASS | PASS | PASS | PASS |
| FLAME RESISTANCE TO UL 94 HF1, FMVSS302 | PASS U.L. #E208679 | PASS U.L. #E208679 | PASS UL #E208679 | PASS UL #E208679 | PASS UL #E208679 |
| FLAME RESISTANCE TO CANADIAN CAN/CSA C22.2 # 017-92 | PASS U.L. #E208679 | PASS U.L. #E208679 | PASS UL #E208679 | PASS UL #E208679 | PASS UL #E208679 |
| U.L. 50 -- STANDARD FOR SAFETY FOR ENCLOSURES FOR ELECTRICAL EQUIPMENT | 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 |
| U.L. 157 -- STANDARD FOR SAFETY FOR GASKETS AND SEALS | 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 |
| U.L. 508 -- STANDARD FOR SAFETY FOR INDUSTRIAL CONTROL EQUIPMENT | 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 |
| ASTM E 84 FLAME SPREAD | UNDER 25 | UNDER 25 | UNDER 25 | UNDER 25 | UNDER 25 |

## CHEMICAL RESISTANCE

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

MONMOUTH RUBBER & PLASTICS CORP.

***Monmouth Rubber & Plastics Corp.***
is committed to supplying the highest quality cellular products at the lowest possible price. The DK Series is an example of this commitment.

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