



WILLIAM JOHNSTON

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DURAFOAM™ DK2121

CELLULAR STRUCTURE	CLOSED CELL
DENSITY	120 KG / M ³ AVERAGE
COLOUR	BLACK / DULL GREY
ASTM D 1056-67 & 68 GRADE	SCE 42
ASTM D 1056-91 & 00 SAE J18-R7/92	2C2
TEMPERATURE RANGE	- 40°F / + 250°F
HEAT AGEING	=- 7 DAYS @ 158°F CD% MAX. CHANGE 30
ELONGATION %	MIN 150%
TENSILE STRENGTH (MIN)	120 PSI
COMPRESSION DEFLECTION @ 25% DEFLECTION	5-9 PSI
WATER ABSORPTION BY WEIGHT - MAX. ASTM METHOD	5% (10% ALLOWED)
OIL RESISTANCE FLUID IMMERSIONS E1 7 DAYS @ 23°C	PASS
OZONE 20% STRESS. 72HRS @ 100 PPHM ASTM D1171-94,1149-91 GM6086M, GM4486P	PASS
FLAME RESISTANCE GRADE: UL 94 HF1	PASS (UL #E 208679)
FLAME RESISTANCE CAN/CSA C22.2 # 017-92	PASS (UL #E 208679)
UL.50 - STANDARD FOR SAFETY FOR ENCLOSURES FOR ELECTRICAL EQUIPMENT	PASS UL # JLU2 (MH10200)
UL.50 - STANDARD FOR GASKET (SAFETY) AND SEALS	PASS UL # JLU2 (MH10200)
NFPA 90A INSTALLATION OF AIR CONDITIONING & VENTILATION SYSTEMS #2002	PASS

UL50, UL157, UL508, UL94 HF1 & CANADIAN LISTINGS / CSA C22.2 (017-92)

Chemical Resistance	
OXIDATION RESISTANCE EXCELLENT	EXCELLENT
ALIPHATIC HYDROCARBONS EXCELLENT	EXCELLENT
AROMATIC HYDROCARBONS EXCELLENT	EXCELLENT
PETROLEUM (CRUDE) EXCELLENT	EXCELLENT
NATURAL GAS EXCELLENT	EXCELLENT
GASOLINE FUEL OIL EXCELLENT	EXCELLENT
LUBRICATING OILS EXCELLENT	EXCELLENT
ANIMAL / VEGETABLE OILS EXCELLENT	EXCELLENT
WATER SWELL EXCELLENT	EXCELLENT
ACID (DILUTE) EXCELLENT	EXCELLENT
SODIUM HYDROXIDES EXCELLENT	EXCELLENT
CHLORINATED SOLVENTS EXCELLENT	EXCELLENT
OXYGENATED SOLVENTS EXCELLENT	EXCELLENT

TECHNICAL TEST REPORT FOR DURAFoAM™ DK2121 AND ITS CHEMICAL RESISTANCE TO THE FOLLOWING ITEMS:

ANTIFREEZE T16034 #2. DK2121 PASSES FULLY THE E1 REQUIREMENT AS LISTED ON OUR PHYSICAL PROPERTY CHART	NO DEGRADATION EFFECT
DIESEL #2	NO DEGRADATION EFFECT PER TESTING UNDER ASTM-D-1056-07 E1 FUEL IMMERSION. NOTE: THE ASTM FUEL TEST IS DONE USING FUEL B WHICH IS A MUCH MORE SEVERE TEST THAN USING DIESEL.

ADDITIONS

CAN BE SUPPLIED WITH VARIOUS SELF ADHESIVE BACKED TAPES DEPENDANT ON APPLICATION ON ONE OR BOTH SIDES.

PROCESSING

WIDTH - SUPPLIED IN COILS FROM 5MM WIDE UP TO AND INCLUDING 1000mm WIDE

THICKNESS - VARIOUS DEPENDANT ON YOUR REQUIREMENTS

LENGTH - CAN BE OFFERED CONTINUOUS

SHEET - 1.83M X 1M X VARIOUS THICKNESSES

DIE CUT PARTS - LOW TO HIGH VOLUME DIE CUT PARTS – WITH/WITHOUT ADHESIVE BACKING

CAD CUT PARTS - TO YOUR DESIGN OR .DXF FILE

HAPPY TO WORK WITH YOU ON SAMPLES OR PARTS TRIALLING