Polymer Works, Hope Street
Dudley, West Midlands DY2 8RS

t: 01384 252555
f: 01384 252373
e: technical@advancedseals.co.uk

http://www.advancedseals.co.uk

Specification Sheet / 01
DK2121 Neoprene Nitrile Blend

8320
Certificate No. 11738-EMS-001
ISO 9001:2015 ISO 14001:2015

Property	***Value***
Cellular Structure	Closed Cell
Density	120 kg / m³ 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 Defl @ 25% deflection	5-9 psi
Water Absorp by Weight - Max. ASTM Method	5% (10% allowed)
Oil Resistance Fluid Immersions E1 7 days @ 23°C	Pass
Ozone 20% Stess. 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
Aliphatic Hydrocarbons	Excellent
Aromatic Hydrocarbons	Excellent
Petroleum (Crude)	Excellent
Natural Gas	Excellent
Gasoline Fuel Oil	Excellent
Lubricating Oils	Excellent
Animal / Vegetable Oils	Excellent
Water Swell	Excellent
Acid (Dilute)	Excellent
Sodium Hydroxides	Excellent
Chrlorinated Solvents	Excellent
Oxygenated Solvents	Excellent

Technical test report for Durafoam™DK2121 and its chemical resistance to the following items:	
Antifreeze T16034	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 #2. DK2121 passes fully the E1 requirement as listed on our physical property chart

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Specification Sheet / 02
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Heavy Duty Degreaser	Not knowing for certain the chemical makeup of the degreaser, we cannot say for sure that it will not have any degradation effect. However, based on our 25 years of testing the DK2121, we suspect it will not have any degradation effect.
Hy-gard TY6354	No degradation effect per testing under ASTM-D-1067-07 E1 Fuel Immersion. Note: the ASTM fuel test is done using Fuel B which is a much more severe test than using Diesel #2. DK2121 passes fully the E1 requirement as listed on our physical property chart
80% Ether	No degradation effect per testing under ASTM-D-1067-07 E1 Fuel Immersion. Note: the ASTM fuel test is done using Fuel B which is a much more severe test than using Diesel #2. DK2121 passes fully the E1 equirement as listed on our physical property chart
80% Ether	Under static conditions, the DK2121 should not have any degradation effect
ZEP Purple Cleaner / Degreaser	We would need further information on this ingredient. However, based on our 25 years of testing the DK2121, we suspect it will not have any degradation effect.
Splash Windshield Washer Fluid	No degradation effect
Urea (dry)	No degradation effect.

Change Control Date	***Change***
07/08/2013	Created

The above figures are average values.
We recommend that you examine any material you select to ensure its suitability for your application.
Tolerance(s) applied in accordance with ASG specification No WI007 (https://bit.ly/3nKm6Hj) unless otherwise stated.
Our standard terms and conditions of trading (https://bit.ly/3b3mThw) apply at all times.