



SPECIFICATION SHEET

DK1070 Expanded EPDM Sponge Rubber

Desc.	Standard	Value	Unit
ASTM D1056-14 Classification	2A1 B3		
Density	ASTM D3575	70-100	Kg/m ³
Compression Deflection (25%)	ASTM D1056	20-40	kPa
Compression Deflection (50%)	ASTM D1056	50-70	kPa
Compression Set (25%/22h/23°C) – After 24hr	ASTM D1056	13-18	%
Compression Set (50%/22h/23°C) – After 24hr	ASTM D1056	30-45	%
Shrinkage (22h/70°C)	ASTM D573	12-17	%
Shore Hardness		35 - 45	OO
Elongation	ASTM D412	150-180	%
Temperature Range (Constant)		-20 / +70	°C
Temperature Range (Intermittent)		+90 / +100	°C
Water Absorption (Max Weight Change)	ASTM D1056	1-3	%
Tensile Strength	ASTM D412	300-350	kPa
Environmental Protection		CFC, HALOGEN & HCFC FREE	

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We recommend evaluation prior to use to ascertain the suitability of the material for the application.

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SPECIFICATION SHEET

AL800 Open Cell EPDM Sponge Rubber

Property	Ave Value	Unit
Density	70 - 110	Kg/m ³
Compression Deflection (25%)	1 - 3	kPa
Compression Deflection (50%)	3 - 7	kPa
Compression Set (50%/22h/23°C)	< 5	%
Compression Req'd To Form A Water / Air Tight Seal	70 - 80	%
Minimum Elongation	> 200	%
Indicative Temperature Range	-40 / +120	°C
Flame Resistance FMVSS302	Self Extinguishing	
Environmental Protection	CFC & HCFC Free	

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SPECIFICATION SHEET

DKN125 Soft Expanded EPDM / Natural Sponge Rubber

Desc.	Standard	Value	Unit
ASTM D1056-14 Classification	2A2 B3 M		
Density	ASTM D3575	115-155	Kg/m ³
Compression Deflection (25%)	ASTM D1056	30-50	kPa
Compression Deflection (50%)	ASTM D1056	60-80	kPa
Compression Set (25%/22h/23°C) – After 24hrs	ASTM D1056	6-10	%
Compression Set (50%/22h/23°C) – After 24hrs	ASTM D1056	15-35	%
Shrinkage (22h/70°C)	ASTM D573	10-15	%
Shore Hardness		30-40	00
Elongation	ASTM D412	160-200	%
Temperature Range (Constant)		-30 / +80	°C
Temperature Range (Intermittent)		+100 / +120	°C
Water Absorption (Max Weight Change)	ASTM D1056	1-2	%
Tensile Strength	ASTM D412	400-550	kPa
Flame Resistance (>3mm)	FMVSS302	Pass	
Environmental Protection		CFC & HCFC FREE	

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SPECIFICATION SHEET

AL43 – Expanded EPDM / Natural Sponge Rubber

Desc.	Standard	Value	Unit
ASTM D1056-14 Classification	2A3 B2 M		
Density	ASTM D3575	270-330	Kg/m ³
Compression Deflection (25%)	ASTM D1056	60-90	kPa
Compression Deflection (50%)	ASTM D1056	100-150	kPa
Compression Set (25%/22h/23°C) – After 24hr	ASTM D1056	4-8	%
Compression Set (50%/22h/23°C) – After 24hr	ASTM D1056	8-15	%
Shrinkage (22h/70°C)	ASTM D573	8-12	%
Shore Hardness		50-60	OO
Elongation	ASTM D412	180-250	%
Temperature Range (Constant)		-30 / +100	°C
Temperature Range (Intermittent)		+110 / +120	°C
Water Absorption (Max Weight Change)	ASTM D1056	1-2	%
Tensile Strength	ASTM D412	850-1050	kPa
Flame Resistance (>3mm)	FMVSS302	PASS	
Environmental Protection		CFC & HCFC FREE	

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SPECIFICATION SHEET

High Temperature EPDM Sponge Rubber

PROPERTY	AVE VALUE	UNIT
Density	55-75	Kg/m ³
Minimum Elongation	> 100	%
Tear Strength	> 0.4	kN/m
Temperature Range	- 100 / +150	°C
Thermal Conductivity @ +40°C	0.042	W/(m-k)
Volume Water Absorption	<5	%
Flame Resistance (FMVSS302)	Self Extinguishing	
Ozone Resistance (50pphm/40°C/20%/72h)	No Cracking	

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SPECIFICATION SHEET

DK2016 Eco Expanded EPDM Sponge Rubber **(Sulphur & Plasticizer Free)**

Desc.	Standard	Value	Unit
ASTM D1056-14 Classification	2A2 B3 M		
Density	ASTM D3575	100-140	Kg/m ³
Compression Deflection (25%)	ASTM D1056	35-60	kPa
Compression Deflection (50%)	ASTM D1056	70-100	kPa
Compression Set (25%/22h/23°C) – After 24hrs	ASTM D1056	3-5	%
Compression Set (50%/22h/23°C) – After 24hrs	ASTM D1056	10-30	%
Shrinkage (22h/70°C)	ASTM D573	4-8	%
Shore Hardness		40-50	OO
Elongation	ASTM D412	200-250	%
Temperature Range (Constant)		-30 / +85	°C
Temperature Range (Intermittent)		+100 / +110	°C
Water Absorption (Max Weight Change)	ASTM D1056	1-2	%
Tensile Strength	ASTM D412	580-600	kPa
Flame Resistance (>3mm)	FMVSS302	Pass	
Environmental Protection		CFC, HALOGEN & HCFC FREE	

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SPECIFICATION SHEET

DK2015 Grey Expanded EPDM Sponge Rubber

Desc.	Standard	Value	Unit
ASTM D1056-14 Classification	2A2 B3		
Density	ASTM D3575	120-160	Kg/m ³
Compression Deflection (25%)	ASTM 1056	35-60	kPa
Compression Deflection (50%)	ASTM 1056	60-80	kPa
Compression Set (25%/22h/23°C) – After 24hrs	ASTM D1056	3-5	%
Compression Set (50%/22h/23°C) – After 24hrs	ASTM D1056	15-35	%
Shrinkage (22h/70°C)	ASTM D573	6-9	%
Shore Hardness		35-45	OO
Elongation	ASTM D412	150-200	%
Temperature Range (Constant)		-30 / +80	°C
Temperature Range (Intermittent)		+90 / +110	°C
Water Absorption (Max Weight Change)	ASTM D1056	1-2	%
Flame Resistance (>3mm)	FMVSS302	Pass	
Tensile Strength	ASTM D412	500-550	kPa
Environmental Protection		CFC, HALOGEN & HCFC FREE	

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SPECIFICATION SHEET

DK2015 Black Expanded EPDM Sponge Rubber

Description	Standard	Value	Unit
ASTM D1056-14 Classification	2A2 B3		
Density	ASTM D3575	125-165	Kg/m ³
Compression Deflection (25%)	ASTM D1056	35-60	kPa
Compression Deflection (50%)	ASTM D1056	60-90	kPa
Compression Set (25%/22h/23°C) – After 24hrs	ASTM D1056	3-5	%
Compression Set (50%/22h/23°C) – After 24hrs	ASTM D1056	15-35	%
Shrinkage (22h/70°C)	ASTM D573	4-8	%
Shore Hardness		40-50	OO
Elongation (Minimum)	ASTM D412	180-220	%
Temperature Range (Constant)		-30 / +90	°C
Temperature Range (Intermittent)		+90 / 120	°C
Water Absorption (Max Weight Change)	ASTM D1056	1-2	%
Flame Resistance (>3mm)	FMVSS302	Pass	
Tensile Strength	ASTM D412	500-600	kPa
Ozone test (200+/-5) pphm (40+/-2°C) 20% elongation, 72h	ASTM D1171-99	No Cracks	
Environmental Protection		CFC, HALOGEN & HCFC FREE	

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SPECIFICATION SHEET

DK2010 Expanded EPDM Sponge Rubber

Desc.	Standard	Value	Unit
ASTM D1056-14 Classification	2A2 B3		
Density	ASTM D3575	100-140	Kg/m ³
Compression Deflection (25%)	ASTM D1056	30-50	kPa
Compression Deflection (50%)	ASTM D1056	60-80	kPa
Compression Set (25%/22h/23°C) – After 24hrs	ASTM D1056	7-11	%
Compression Set (50%/22h/23°C) – After 24hrs	ASTM D1056	20-40	%
Shrinkage (22h/70°C)	ASTM D573	10-15	%
Shore Hardness		35-40	OO
Elongation	ASTM D412	150-200	%
Temperature Range (Constant)		-40 / +80	°C
Temperature Range (Intermittent)		+90 / +100	°C
Water Absorption (Max Weight Change)	ASTM D1056	1-2	%
Tensile Strength	ASTM D412	390-450	kPa
Environmental Protection		CFC, HALOGEN & HCFC FREE	

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SPECIFICATION SHEET

DK1075 Expanded EPDM Sponge Rubber

Desc.	Standard	Value	Unit
ASTM D1056-14 Classification	2A1 B3 C M		
Density	ASTM D3575	75-105	Kg/m ³
Compression Deflection (25%)	ASTM D1056	15-35	kPa
Compression Deflection (50%)	ASTM D1056	60-80	kPa
Compression Set (25%/22h/23°C) - After 24hrs	ASTM D1056	10-15	%
Compression Set (50%/22h/23°C) - After 24hrs	ASTM D1056	20-40	%
Shrinkage (22h/70°C)	ASTM D573	10-15	%
Shore Hardness		35-45	OO
Elongation	ASTM D412	180-220	%
Temperature Range (Constant)		-30 / +80	°C
Temperature Range (Intermittent)		+90 / +100	°C
Water Absorption (Max Weight Change)	ASTM D1056	1-3	%
Tensile Strength	ASTM D412	200-300	kPa
Flame Resistance (>3mm)	FMVSS302	Pass	
Flame Resistance (>12mm)	UL94 HBF	Pass	
Environmental Protection		CFC, HALOGEN & HCFC FREE	

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SPECIFICATION SHEET

DK1075 FR Expanded EPDM Sponge Rubber

Desc.	Standard	Value	Unit
ASTM D1056-14 Classification	2A1 B3 M		
Density	ASTM D3575	75-105	Kg/m ³
Compression Deflection (25%)	ASTM D1056	30-40	kPa
Compression Deflection (50%)	ASTM D1056	65-75	kPa
Compression Set (25%/22h/23°C) – After 24hr	ASTM D1056	15-25	%
Compression Set (50%/22h/23°C) – After 24hr	ASTM D1056	35-45	%
Shrinkage (22h/70°C)	ASTM D573	7-11	%
Shore Hardness		30-40	OO
Elongation	ASTM D412	180-240	%
Temperature Range (Constant)		-30 / +60	°C
Temperature Range (Intermittent)		+80 / +100	°C
Water Absorption (Max Weight Change)	ASTM D1056	1-2	%
Tensile Strength	ASTM D412	350-450	kPa
Flame Resistance (>3mm)	FMVSS302	Pass	
Flame Resistance (>3mm)	UL94 HF-1	Pass	
Environmental Protection		CFC & HCFC FREE	

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