

**Material Data Sheet: RKFT-EPDM-M® Black**

ASTM D 1056 Classification

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Compliant according

(EC) No. 1907/2006 (REACH)

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Directive 2011/65/EU (ROHS)

Material Base	Ethylene – Propylene Diene –Monomer	ISO 1629
Density	130 ± 20 Kg/m <sup>3</sup>	ISO 845
General Description	Closed Cell, soft elastic cellular rubber Cell size about 0.1 – 0.4 mm	DIN7726
Temperature Range	-40°C to 110°C/ short time to 120°C	Without norm
Dimensional Stability	+1% to -5% (3h at80 °C at 10 mm thickness)	WSK-M2D419-A
Water absorption	< 5%	ASTM –D 1056
Compression Set	< 25% at 23°C for 22 Hrs	ASTM –D 1056
Compression-deflection	35-65 KPa at 25% compression	ASTM – D 1056
Tensile strength	≥ 400KPa	ISO 1798
Elongation at break	≥ 120%	ISO 1798
Shore hardness OO	42 ± 6	ASTM - D 2240
Flammability	Passed for 3 mm	FMVSS 302
Ozone Resistance	Resistant to cracking	ISO 1431-1
Compliance With	MS260-13 standard	
Sheet Size/Thickness	<p>Blocks with fabrication skin approx 2000 x 1000 x 50 mm big from which thinner sheets can be splitted. The material can be further processed by cutting, sawing, punching, gluing, milling, grinding and coating with adhesive.</p> <p>General Dimensional tolerance for sheet productis as per DIN7715P3.Dimensional tolerance for block material may be different if necessary.</p> <p>Determination of linear dimensions as per DIN EN ISO 1923 Standard .</p>	



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Example for chemical resistance

Used(+):

Many acids and alkalis in the usual concentrations, water and steam up to 100 °C, sea water, potassium and sodium compound (eg, saline), alum aqueous, detergent, photographic chemicals, ammonia cold, acetylene, alcohols, glycerol, brake fluid and anti-freeze to glycol – based, carbon dioxide, ozone, silicone oil and fat, an aqueous bleaching powder, etc.

Limited use(0):

Wet and dry chlorine gas, ammonia hot, concentrated hydrochloride acid.

Not recommended(-)

Fuel, oil, grease, mineral oil, solvents such as toluene, methylene chloride, trichloroethylene, perchlorethylene, thinner, concentrated nitric and sulfuric acid.

More detailed information can be made only after formal testing in individual cases.

Remarks :

Note: This cell rubber quality RKFT-EPDM-M® is ABS-compatible.

The above information does not release the user from own test.

Note:- All RKFT products are as per the Material Data Sheet. This does not absolve users from the responsibility of conducting their own tests. We do not provide any product liability or recall related support.