

Compound Data Sheet

EPDM Black EPDM 70.309-02

Compound EPDM
Colour Black
Description EPDM 70.309-02

Testing	Test standard	Test value	Unit
Hardness (nominal)	DIN 53505	70 ± 5	Shore A
Tensile strength	DIN 53504	11	MPa(N/mm ²)
Elongation at break	DIN 53504	200	%
Specific gravity	DIN 53479	1.22	g/cm ³
Compression set Deform.rate			
at 22 h / 100 °C / 25%	DIN 53517	15	%
at h / °C /			%
at h / °C /			%
at h / °C /			%
Abrasion			mm ³
Tear strength	DIN ISO 34 C	30	N/mm
Rebound- / Impact resilience			%
Modulus at:			
Low temperature TR	ASTM D 1329		°C
Low temperature TR	ASTM D 1329		°C
Low temperature Brittle Point			°C
Operating temperatur		-35 to +125 / short: ---	°C
Air aged Deform. rate			
at h / °C /	ASTM D 573		
Hardness change			points
Tensile strength change			%
Elongation at break			%
Volume change			%
Weight change			%
Air aged			
at h / °C /	ASTM D 573		
Hardness change			points
Tensile strength change			%
Elongation at break			%
Volume change			%
Weight change			%
Ozone test			
Ozone Concentration		pphm	
Test time		h	
Test temperature		°C	
By elongation of		%	
Relative humidity		%	
Cracking Level			
Result			

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Change of properties in

at h / °C

	Test standard	Test value	Unit
Hardness change			points
Tensile change			%
Elongation change			%
Volume change			%
Weight change			%

Change of properties in

at h / °C

Hardness change			points
Tensile change			%
Elongation change			%
Volume change			%
Weight change			%

Change of properties in

at h / °C

Hardness change			points
Tensile change			%
Elongation change			%
Volume change			%
Weight change			%

Change of properties in

at h / °C

Hardness change			points
Tensile change			%
Elongation change			%
Volume change			%
Weight change			%

Change of properties in

at h / °C

Hardness change	ASTM D 471		points
Tensile change			%
Elongation change			%
Volume change			%
Weight change			%

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General Information

Our data sheets are based on spot measurements performed on samples and thus present merely a technical description of the material. The actual properties of the component in deployment can vary significantly depending on deployment duration, deployment temperature, contact medium, type of stressing involved or any combination of those aforementioned parameters. The customer is therefore not relieved from the obligation to inspect and examine the component for its designated deployment taking into account all of the deployment parameters.

Special material properties

Elastomer with a good resistance to hot water and vapour, ageing- and weather-resistant. Not resistant against mineral oils and greases.

Special chemical resistance

Approvals, registrations, Clearings

Remarks

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