



ELASTOKAM™ 5402 (Ethylene-Propylene Diene Rubber)

Product description

Elastokam 5402 is medium-high Mooney, high ethylene content, low ENB content rubber whose main application area is for producing extruded and calendered sheets with outstanding resistance to weathering and with good mechanical properties. It can be used in all applications where a low density cross-linking is required, it can also be used with peroxide vulcanisation. Typical application of Elastokam 5402 is in blends with butyl rubber for the production of inner tubes.

Typical properties

Polymer specification	Value	Method / Notes
Mooney viscosity ML (1+4) at 125°C	30 - 45	ASTM D 1646
Propylene, % wt.	33 – 37	ASTM D 3900
ENB content, % wt.	1..5 +/- 0.5	ASTM D 6047
Volatiles, % wt.	0,70	ASTM D 5668
Ash, % wt.	0,20	ASTM D 5667
Stabiliser	0.20-0.30	
Physical properties (1) (2)		
Tensile strength, MPa	15	
Elongation, %	450	
Modulus at 300% Elongation	9	
Typical inspections (2)		
Minimum Torque dN m	4	
ts1 min	3.5	
ts 90 min	14.0	

(1) Determined on standard recipe ISO 4097 with the following formulation:

Elastokam 6405	100
HAF carbon black	80
Oil	50
ZnO	5
Stearic Acid	1
Sulphur	1.5
TMTD	1
MBT	0.5

Additional Information:

Elastokam EPDM is produced with up to date technology in the Republic of Tatarstan (Russia).

Elastokam EPDM is used for all applications where outstanding resistance to ageing and ozone is required.

Elastokam is packaged in wooden boxes of about 360 kg. net wt.. In the near future it will also be available in carton boxes.

(2) Rheometer acc. to ISO 3417 at 160°C, small test chamber, 1,7 Hz arc 1°, no pre-warming, running time 30 min, range 100

This information relates only to the specific material designated and may not be valid for such material used in combination with any other material. The information is provided to the best of our knowledge. It is believed to be accurate and reliable at the date compiled. No representation, warranty or guarantee is made as to its accuracy, reliability or completeness. The user is responsible to satisfy himself as to the suitability and completeness of such information regarding his particular use. We do not accept liability for loss and damage that may occur from the use of this information nor do we offer warranty against infringement of patents concerning the applications of the material. Elastokam is a trade mark registered in Russia.