



ELASTOKAM™ 6402 (Ethylene-Propylene Diene Rubber)

Product description

Elastokam 6402 is 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. Elastokam 6402 can be used for all the applications where low degree of cross-linking is required. Typical application of Elastokam 6402 is in blends for the production of EPDM waterproofing membranes.

Typical properties

Polymer specification	Value	Method / Notes
Mooney viscosity ML (1+4) at 125°C	45 – 60	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 MPa	9	
Typical inspections (2)		
Minimum Torque dN*m	6	
ts1 min	3.2	
ts90 min	15.0	

(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 supported friable bales unit in carton boxes of about 360 kg. net wt. or wooden boxes of about 375 kg net wt. per pallet.

(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

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