



Stabilization and reinforcement of asphalt mixtures

SMAPOL[®] is a stabilizing and reinforcement additive for asphalt mixtures in the form of granules, produced from high mechanical strength fibers used as reinforcement in modern tire production. In the SMAPOL[®] production process, the multi-fiber mixture, consisting of polyester, polyamide, aramid, and viscose fibers, is optimized for the content of each type of fiber, activated and modified. This results in a product with exceptional functionality and efficiency.

TECHNICAL DATA SHEET

#	Identification characteristics	Identification properties	Units	Test method
Main features (production)				
1	Appearance and shape	Dark grey cylindrical granules		OL
2	Bulk density	410-460	g/dm ³	SF
3	Average granule length	5-25	mm	SF
4	Diameter of granules	5-7	mm	SF
5	Solubility in water	Insoluble	-	SF
6	Moisture	≤ 7	%	SF
7	Content of fine particles	≤ 3	%	SF
Additional features (design)				
1	Strength of granules	5-10	kgf	SF
2	Index of change in the strength of granules	≥ 1,5	-	SF
3	Synthetic fiber efficiency index	≤ 1,2	-	SF

OL – organoleptic
SF – Company's Standard SF_RECYKL_SMAPOL 1.0-2022

Optimal technological properties Prevents binder drainage for SMA and other gap-graded asphalt mixtures

Increased structural resistance Increases rutting resistance, water resistance, and frost resistance, and reduces the likelihood of low temperature and fatigue cracks for all types of asphalt mixtures

Easy dosage Possibility of use with various dosing equipment for any granular stabilizers

Easy storage Enhanced hydrophobicity of the granules' surface maintains its properties even after the ingress of moisture into the package

SMAPOL[®] provides resistance to delamination, segregation, and drainage of binder in SMA and other gap-graded asphalt mixtures, as well as microstructural reinforcement of asphalt mixtures of all types

Dosage: from 0.2% to 0.6% by asphalt mix weight

Packaging: big bags of 500 kg and plastic bags from 2 kg to 20 kg



SMA AC
MA BBTM PA

