

## Geometric and weight characteristics of different fiber types



Pic.1. Basalt chopped fiber

1	Parameter/dimension	Fiber type				Remarks
		Steel	Copolymer	Polymer-reinforcing	Basalt	
1	2	3	4	5	6	7
1	<b>Linear dimensions:</b>					
1.1	- length, cm	5	5,5	4	2,4	*
1.2	- diameter, cm	1	2,8	0,9	$16 \cdot 10^{-3}$	**
2	<b>Weight of one filament, grams</b>	0,323	0,175	0,027	$13,44 \cdot 10^{-6}$	
3	<b>Fiber quantity</b> (number of filaments in 1 kg)	3 096	5 714	37 037	74 400 000	
4	<b>Correlation between number of pieces</b>	1	1,85	11,96	24 031	

\* variation  $\pm 0,1$  cm;

\*\* cylinder shape