



## TECHNICAL DATASHEET

### ROVINGS FROM HIGH-MODULUS HIGH-STRENGTH FIBERS (HMHS)

<b>Description</b>	A unique reinforcing filler to create high-load composite structures. Stress-strain properties of HMHS fibers are more than 30% higher than comparable of aluminumborosilicate fibers (E-glass) and also have a significantly higher long-term strength, heat and water resistance.					
<b>Intended purpose</b>	For the manufacture of glass-reinforced plastics articles					
<b>Physical and mechanical properties</b>						
<b>Name of indicators</b>	<b>Unit of measure</b>	<b>ROVING HMHS</b>				
<b>Nominal diameter of the filament yarn</b>	µm	10				
<b>Linear density (according to GOST 6943.1-2015)</b>	tex	400	600	1200	2400	1260
<b>Type of sizing</b>	-	№14, №76, №78				
<b>Breaking load (according to GOST 6943.10-2015)</b>	Not less, N (kgf)	245 (25)	392 (40)	784 (80)	1274 (130)	735 (75)
<b>Weight of one package of roving</b>	kg	1 - 15				5 - 8
		as agreed with the customer				
<b>Packing and storage</b>						
<b>Packing</b>	Each package of roving is packed in bags made of waterproof material or polyethylene film, placed in a corrugated box which is sealed with a polymer tape with an adhesive layer. Free spaces remaining in the boxes can be filled with soft packaging material by agreement with the customer.					
<b>Shipment</b>	On pallets or by separate boxes.					
<b>Transportation</b>	By any means of transportation in covered vehicles in the upright position.					
<b>Storage conditions</b>	In packed form in dry enclosed spaces on racks or pallets at a relative humidity of not more than 80%.					
<b>Warranty period</b>	Roving HMHS10-1260-78 – 1 year from the date of manufacture For the rest – 2 years from the date of manufacture					
<b>Application Safety Requirements</b>	According to technical conditions					

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