



TECHNICAL DATASHEET

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

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

Address: 3-A building, Andreevka village, Solnechnogorsk area, Moscow region, Russia, 141551

Phone (EN): +7(495) 653-75-53 Phone: +7(495) 536-06-94

e-mail: sale@npostek.ru

www.npo-stekloplastic.com