

Direct Roving 13-19 μm diameter for reinforcement of thermoplastic and thermoset polymers



Product Code	Code Descriptions	Available Values			
SS	Sizing Group	00	to	06	
DD	Filament Diameter (μm)	13	to	19	μm
TTTT	Tex Value (tex)	150	to	900	tex
DR	Direct Roving				
Product	Mechanical Properties	Values			
13 μm Fiber Specifications	Tensile Strength (ASTM D2343)	3100MPa			
	Tensile Modulus (ASTM D2343)	88 to 92GPa			
	Elongation at Break	3.50%			
	Tenacity	>70cN/tex			
17 μm Fiber Specifications	Tensile Strength (ASTM D2343)	3000MPa			
	Tensile Modulus (ASTM D2343)	86 to 90GPa			
	Elongation at Break	3.50%			
	Tenacity	>60cN/tex			
19 μm Fiber Specifications	Tensile Strength (ASTM D2343)	2900MPa			
	Tensile Modulus (ASTM D2343)	84 to 88GPa			
	Elongation at Break	3.50%			
	Tenacity	>60cN/tex			
Sizing Available		Key Sizing Ingredients			
Unsize		De-Ionized Water Only			
Polypropylene		Silane			
Epoxy		Silane			
Vinyl Ester, Polyester		Silane			
Polyurethane, Polyamides, PET/PBT		Silane			
General Property	Value				
Fibre Type	Continuous Direct Draw Basalt Filaments				
Density according to DIN 65569	2.63 g/cm ³				
Moisture Content for all sizing	<0.1%				
Loss on Ignition	Values are Sizing Dependent. Typical >0.4%.				
Packing Statics	Values				
Internal Payout Bobbin Height	250mm				
Internal Payout Bobbin Inner Diameter	160mm and 230mm				
Wrapping	Thermo Retractable Film-Quality ID Number				
Available Package Sizes	Up to 10kg				
Packages per Europallet	60-65				
Packages per Shipping Container	Pallets in 40ft Container (max 18t)				