

Assembled Roving

for reinforcement of thermoplastic and thermoset polymers



Product Code	Code Description	Available Values
E/I	E = External Payout, I = Internal Payout	Internal and External
SS	Sizing Code (see sizing table below)	See SS Sizing Codes Below
DD	Filament Diameter (µm)	13 to 19 µm
TTTT	Tex Value (tex)	300 to 4800 tex
AR	Assembled Roving	AR = Multi-end Assembled Roving
SR	Single-end Rewound Roving	SR = Single-end Rewound Roving

Product	Mechanical Properties	Values
Fiber up to 2000 tex	Tensile Strength (ASTM D2343)	3100 MPa
	Tensile Modulus (ASTM D2343)	88 to 92 GPa
	Elongation at Break	3.5 %
	Tenacity	>65 cN/tex
Fiber from 2000 to 3500 tex	Tensile Strength (ASTM D2343)	3000 MPa
	Tensile Modulus (ASTM D2343)	86 to 90 GPa
	Elongation at Break	3.5 %
	Tenacity	>60 cN/tex
Fiber above 3500 tex	Tensile Strength (ASTM D2343)	2900 MPa
	Tensile Modulus (ASTM D2343)	86 to 90 GPa
	Elongation at Break	3.5 %
	Tenacity	>55 cN/tex

Sizing Available	Key Sizing Ingredient
Unsize	De-Ionized Water Only
Polypropylene	Silane
Epoxy	Silane
Vinyl Ester, Polyester	Silane
Polyurethane, Polyamides, PET / PBT	Silane

General Property	Value
Fiber Type	Continuous Basalt Filaments
Density according to DIN 65569	2.63 g/cm ³
Moisture content for all sizing	< 0.1%
Loss of Ignition	Values are sizing dependent. Typical > 0.4%.

Packing Statistics	Values
Internal Payout Bobbin Height	250mm
Internal Payout Bobbin Inner Diameter	80mm
External Payout Bobbin Height	270mm
External Payout Bobbin Inner Diameter	76mm Cardboard Core
Wrapping	Thermo Retractable Film w Quality ID Number
Available Package Sizes	up to 15kg
Payout	Internal or External available on all AR's.
Packages per Shipping Container	30 Pallets in 40ft Container