



One Stop For All Your Formulation Needs

JRS performance material is a manufacturer and distributor of glassfiber related materials for a wide range of end-use applications. JRS's products include glassfiber tissue, Mesh cloth, Non-woven fabric, silicone fluids, LSR/HCR silicone rubber and other building related products. JRS has the necessary technical expertise to develop and prepare custom materials and solutions to add premier value to our customers.



Competitive Pricing

We provide incredible pricing of a wide selection of materials to meet your needs.



Custom Preparation

In addition to off-the-shelf products, we custom prepare products at varied scales



Strong Technical Expertise

We have more than 25 years of experience in silanes and other silicones.



Wide Product Selections

Looking for materials for adhesives, plastics, inks, rubber, coatings... We've got you covered.

JRS (HangZhou) Performance Material Co, Ltd.

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○ Description

Polyester continuous filament polyester nonwoven fabric, made from polyester chips through spinning, needle-punching, and other processes, is an ideal base material for SBS, APP modified bitumen waterproofing membranes, PVC waterproofing membranes, and colored asphalt shingles. It boasts high tensile strength, anti-aging properties, thermal stability, high permeability, large elongation, and high tear strength. Waterproof materials made with it as the base material, such as asphalt and PVC ones, excel in durability, impermeability, and dimensional stability, effectively extending service life. It's perfect for waterproofing and damp-proofing in roofing, underground, and bridge projects, as well as for corrosion resistance in building foundations and water storage pools.

○ Product Parameters

型号 model	克重 Weight (g/m ²)	拉伸强度 Tensile strength (N/5cm)		伸长 Elongation (%)		热伸缩 Shrinkage (%)
		MD	CD	MD	CD	
STP120	120	≥360	≥250	≥22	≥25	≤1.5
STP140	140	≥400	≥300	≥24	≥30	≤1.2
STP160	160	≥480	≥360	≥26	≥32	≤1.2
STP180	180	≥560	≥400	≥30	≥34	≤0.8
STP190	190	≥590	≥420	≥30	≥35	≤0.8
STP200	200	≥600	≥430	≥32	≥36	≤0.8
STP220	220	≥650	≥450	≥34	≥38	≤0.7

Notes:

1. Customized products are available upon customer request.
2. The above technical data is for reference only.

○ Characteristic

- Even fiber distribution and smooth surface.
- High tear strength.
- Dimensional stability with fast asphalt absorption.
- Resistance to cracking, aging, and excellent weatherability.
- Outstanding impermeability.

1. Roll packaging: PE plastic film
2. Pallet packaging: Pallets should NOT be stacked in more than 2 layers.

○ Storage

This product should be stored in a dry, ventilated and rainproof place, with temperatures from 5°C to 35°C and humidity between 35% and 65%. It is recommended to be kept in intact package when not used to avoid damp.

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⊙Description

Polyester long-staple reinforced nonwoven fabric, made from ultra-high-strength glass fiber and polyester chips, is processed via spinning, spinning again to combine glass fiber with polyester filaments, then needle-punching and fixing. It's ideal for SBS, APP modified bitumen waterproofing membranes, PVC membranes, and asphalt shingles.

⊙Product Parameters

型号 model	克重 Weight (g/m ²)	拉伸强度 Tensile strength (N/5cm)		伸长 Elongation (%)		热伸缩 Shrinkage (%)
		MD	CD	MD	CD	
STPGF120	120	≥400	≥350	≥24	≥30	≤0.8
STPGF140	140	≥450	≥300	≥25	≥32	≤0.7
STPGF170	170	≥550	≥400	≥28	≥35	≤0.5
STPGF180	180	≥600	≥450	≥30	≥37	≤0.3
STPGF190	190	≥600	≥500	≥32	≥38	≤0.3
STPGF220	220	≥700	≥500	≥34	≥38	≤0.2
STPGF250	250	≥750	≥550	≥38	≥45	≤0.1

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⊙Characteristic

- ⊙High tensile strength and good elongation
- ⊙Outstanding thermal stability and efficient in boosting production efficiency
 - ⊙Quality is stable with no contraction, and after construction, it doesn't bulge, contract, or curl, offering excellent dimensional stability.
- ⊙Excellent tear resistance, corrosion resistance, and wettability
- ⊙High biological resistance, Acidproof alkalinity
- ⊙Low thermal shrinkage and strong affinity with asphalt
- ⊙Long service life.

⊙Application Area

Used in roofing, underground, bridge projects, water tanks for waterproofing/damp proofing, and in building foundations for corrosion resistance. Also applied in highways and airport runways, it's an advanced new-type waterproofing material.

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⊙Storage

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○ Product Parameters

型号 model	克重 Weight (g/m ²)	拉伸强度 Tensile strength (N/5cm)		伸长 Elongation (%)		热伸缩 Shrinkage (%)
		MD	CD	MD	CD	
STPGM140	140	≥400	≥350	≥28	≥30	≤0.6
STPGM170	170	≥500	≥420	≥30	≥32	≤0.4
STPGM190	190	≥560	≥480	≥32	≥34	≤0.2
STPGM200	200	≥600	≥500	≥32	≥36	≤0.2
STPGM220	220	≥680	≥550	≥34	≥38	≤0.1
STPGM250	250	≥800	≥680	≥35	≥40	≤0.1

Notes:

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○ Characteristic

- Even fiber distribution and smooth surface.
- High tensile strength and tear strength
- Low thermal shrinkage、 Dimensional stability
- Excellent low-temperature flexibility, Aging resistance, and highly weatherable
- Good asphalt absorption and impermeability.
- Our products can be customer tailored according to our customers' requirement.

1. Roll packaging: PE plastic film
2. Pallet packaging: Pallets should NOT be stacked in more than 2 layers.

○ Storage

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