



KANEMO SHOJI

Interleaving material for automotive glass

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Interleaving Material for Automotive Glass

Glass is fragile in nature, it is prone to damage from manufacturing, managing, storing, and shipping.

To make glass efficiently and free from scratches is the aim of major glass manufactures. Automotive glass faces higher challenges due to the complex making procedure, from the raw mother glass to the final product there are multiple steps and changes that occur to the glass. During these steps many complications may happen if the glass was not handled carefully, That is where interleaving materials come into play.

Interleaving materials are in different types for different steps in the production line;

Production line	Plain glass	Cut	Print	Enhancement	Coating
Interleaving material	Powder	Powder	Paper	Paper	Paper

Problems and complications of interleaving material

Both paper and powder can cause different issues to the glass, for example powder can hard to clean off once it is used, it can fly off and put the workers at risk and cost of such powder interleaving material can be expensive,

As for paper, paper can cause more serious damage to the glass such as primer peeling which leads to the damage of sensors that are adhered to the glass also low quality paper can leave small particles that stick to the glass and interfere with the coating and the primer.

Solutions

We at **Kanemo Shoji** were able to solve all the problems related to the interleaving material, both the powder and paper, with years of experience and satisfaction of our customers we proudly present our interleaving material.

Interleaving paper KHP

After years of experience we were able to master the best quality, cheap price and eco-friendly paper that solved all the problems related to Automotive glass, our KHP paper does not cause primer peeling or leave any particles, our paper is available in both virgin and recycle paper for cost efficiency.

We have been supplying interleaving paper to AGC, NSG, Central Glass and other companies without any quality issues.

Technical data of KHP;

		KHP36	
Item	Unit	Standard	Measured value
Basis weight	g/m ²	over 35	36.4
Thickness	μm	over 60	69.8
Tensile strength	kN/ m	over 1.5	1.76
Smoothness	sec	under 20	17.3
Air permeability	sec	over 8	13.7
pH		10±0.5	9.8

Interleaving powder Coconut shell powder

Coconut Shell Powder has been used by glass manufacturer such as NSG and CGC group since 20 years ago. They use it between glasses as buffer material for architectural and automotive glass. It prevents occurrence of deteriorated layer such as haze or corrosion on the surface of Alkali glass because of neutral.

High-Efficient - In manufacturing process of automotive glass, there is no need to wash glass before process of reinforced furnace because coconut shell powder is burned out in that process unlike PMMA powder.

Hazard Control - If it falls to the floor when spraying, it is not slippery because it is not spherical form. As a result, it prevents induction of slip accident in work site.

Eco-Friendly - It is biodegradable as it is eco-friendly product derived from plants. Additionally, you don't have to dispose of scattered powder as industrial waste by incineration or burial.

Cost-Effective - The falling amount of it is small when moving and storing, compared with PMMA powder because it is not spherical form and excellent in adhesion.

Therefore, necessary splay volume is 0.2 to 0.3g per square meters and this volume is one third compared with PMMA powder. Also, it has a stable price compared with PMMA powder since it is not affected by crude oil price.

Technical data of the coconut shell powder;

Raw Material: Dry coconut shell

Item	Unit	Measured Value	Test Method
Mean Diameter	μm	59.0970	Measured by Laser diffraction particle size distribution analyzer (HORIBA, LTD Model. LA920)
Median Diameter	μm	38.3777	
Mode Diameter	μm	55.1112	
Ash Content	%	0.80	550°C Direct Ashing method
pH	%	6.80	JIS P-8133
Moisture	%	6.90	Karl-Fischer method
	Oil Content	%	0.11

Pictures

