



Newly developed Film type releasing liner with structure of triple axes after long research and thorough pursuit of the problems of current Film type releasing Liners

Strangely enough, current Film type liners have not evolved in materials and specifications for the past 10 years.

Film type Liners can be classified generally into two groups. One is textile with Polyester Film on both sides. The other is Polyester sheet formed of PET resin.

<Strong points of Honeycomb liner>

1. Peeling property

Surface of Polyester has property of strong adhesion to Rubber, due to its high wetting index .

Peeling property of Liner with fabrics made by A. company is 1.5N/13mm. On the other hand, that of Honeycomb liner is 0.7N/13mm, less than half value. Because of its light peeling property, there is no sticking to marking lines (Red , Blue color), thus peeling from Rubber is smooth .

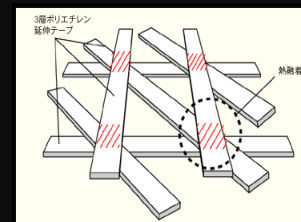


Testing equipment for Tacky value

2. Tear Strength

In case of single sheets formed of Polyester resin, Sheet is easily torn when there arises cracks at edges of sheets.

Honeycomb liner, using triple axes woven Polyethylene flat yarns (750d) is designed to stop tearing at the spot of inside of the flat yarn, even if cracks, impact happen during work operations.



Flat yarns with 3 axes structure

3. Contamination

Single-fiber of twisted yarn of Polyester tends to get loose and drop off from the woven fabric (cross woven), and transfer to Rubber side, causing contaminations occasionally.

Honeycomb liner, on the other hand, can stop dropping off of yarns from edges, because the PE flat yarns (750 denier, triple axes) are heat-welded firmly with adhesive layer (PE) .



Honeycomb liner

4. Composition of Honeycomb liner

PET (with releasing property) / triple axes flat yarn woven cloth / PET (with releasing property)

*Thickness, hardness can be adjusted , depending on Customer requirements.

Honeycomb liner has been successfully developed, after repeated trial and error for more than one year, on the assumption that it shall improve all the quality problems of current Liners.

Furthermore, adhesion strength value of adhesive layer got a remarkable result of more than 10N/15mm, and the product is free from any solvents, with careful attention to environment. The product complies with the regulations by EU, USA.