

Breakthrough Newsheet

AsahiKASEI

14 May, 2009

Grade: S.O.E.™ Series

Asahi Kasei Chemicals Corporation Synthetic Rubber Division

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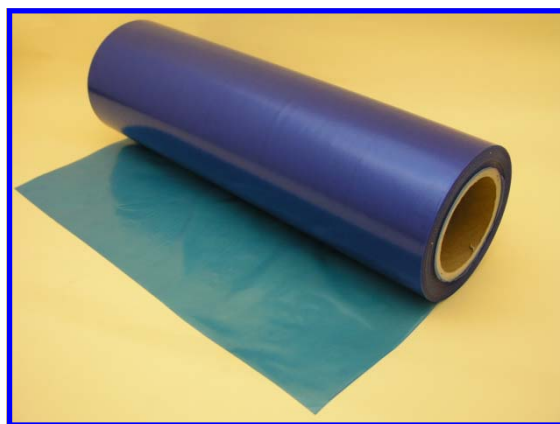
Self-adhering films produced by blow extrusion -Adhesion control by S.O.E.™ content in adhesion layer-

◆ Blow-extruded multilayer self-adhering peel-off film, enabled by use of S.O.E.™ in adhesive layer.

- Strong, stable bond between adhesion layer and core layer.
- Reduced production cost, with no need for adhesive-agent preparation or application.

◆ Adhesion to protected surface optimized by S.O.E.™ /TUFTEC™ ratio in adhesion layer.

- Non-separation from protected surface during transport and handling.
- Ready "peel-off" removal from protected surface at time of use, with no adhesive-agent residue.



Adhesion-release properties with different types of sheets (protected surface)

The key point is to choose the ratio of TUFTEC™ and S.O.E.™ in accordance with protected surface (○:good, △:fair).

Protected surface	Adhesion layer	TUFTEC™	50%	70%	90%
		S.O.E.™	50%	30%	10%
Metal			○	○	○
Plastic board			△	○	○
Coated plywood board			△	○	○

Film structure

Layer	Composition
Surface	Specialized polyolefin
Core	Polyolefin
Adhesion	TUFTEC™+S.O.E.™

Typical film dimensions

Thickness	0.030 ~ 0.100mm
Width	~ 1300mm
Length	~ 2000m

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