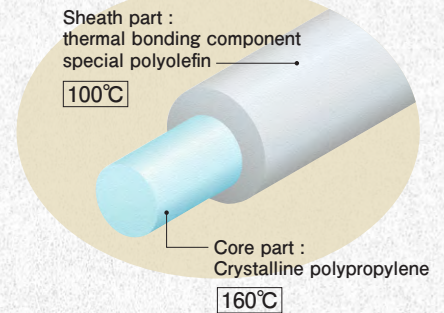


Heterogeneous-Materials Adhesion Bi-component Fiber with excellent chemical-proof property

New Binding Fiber A

New Binding Fiber A is a thermal bonding sheath-core bi-component fiber, whose core component is crystalline polypropylene and whose sheath component is a special polyolefin with lower melting point. It has good thermal bonding property at the relatively low temperature, and, therefore, it is suitable for wet-laid nonwoven with low thermal processing temperature.

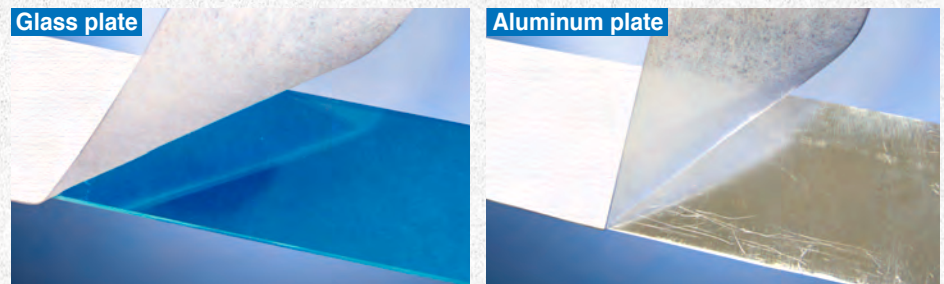
[Section of the bi-component fiber]



Features

- 1** It is possible to bond to various kind of different materials like glass plates and aluminum plates.
- 2** Being a sheath-core bi-component fiber, it has low shrinkage property. Therefore, nonwoven with a soft texture can be obtained.
- 3** Because special polyolefin (melting point: 95 - 100°C) is used for sheath part, it shows relatively low temperature thermal bonding. Therefore, it shows excellent thermal bonding property to metal surface like aluminum foils, glass and cellulose fiber.
- 4** Because it consists of polyolefin resins, it shows good chemical-proof property.
- 5** Fiber for wet-laid nonwoven have low crimped staple appearance property, and they maintain stable and excellent dispersibility in water.

■ Adhesion test (New Binding Fiber A)



Application

- Cushion materials
 - Medical nonwoven
 - Food packaging materials
 - Filtering materials
 - Reinforcement materials for wooden boards
 - Nonwoven for building/construction use
- Others