

## TPU Adhesive (Polyester-based)

### ■ Features

High Bonding Strength and Peel Strength, Excellent Extrusion Consistency, Excellent solubility performance.

### ■ Applications

Hot Melt Films and Tapes, Solvent-based Adhesives, Footwear Adhesives, Fire Hose Adhesives, etc

### ■ Properties

Properties	Standard	Unit	Value
<b>Physical Properties</b>			
Density	ASTM D792	g/cm <sup>3</sup>	<b>1.2</b>
Hardness	ASTM D2240	Shore A	<b>95</b>
Viscosity (15% in MEK 25°C)	ISO 3219	mpa.s	<b>2500-3500</b>
Max.Toluene in solvents		%	<b>30-35</b>
<b>Mechanical Properties</b>			
Tensile Strength	ASTM D412	MPa	<b>40</b>
Tear Strength	ASTM D624	KN/m	<b>100</b>
Bonding strength	PVCvsPVC, After 10min	kg/2.5cm	<b>5-10</b>
<b>Thermal Properties</b>			
Crystallization Rate	_____	_____	<b>Fast</b>
Tack-free time	_____	min	<b>10</b>
Minimum Activation Temperature	_____	°C	<b>55-65</b>

Note: The above values are shown as typical values and should not be used as specifications. Package: Normally 25kg/bag.

### ■ Processing Guide

#### Solution processing advice(Y: soluble S: swelling)

Solvent	Y or S
DMF	Y
MEK	Y
Acetone	Y
Trichloromethane	Y
Ethyl acetate	Y
Toluene	Y

#### Processing Guide for Extrusion

Item	Parameter
Die(°C)	205
Adapter(°C)	215
Metering Zone (°C)	200
Compression Zone (°C)	170
Feeding Zone (°C)	100

### ■ HSE Information

Please take MSDS for reference

Mirathane® are registered trademark of Miracl Chemicals Co., Ltd. The information provided here is for reference only. The specification will be provided in the quality certificate or in the contract. It is the user's responsibility to test the material and its suitability for a process. We have no control over what another party does with the material and we cannot take any responsibility for another party's action. Nor will we be responsible for any indirect damages while using our products. The user is welcome to contact our customer and technical service center with questions on our products.