Double Coated Stretch Release Tape 6657-150

Technical Data	**Aug, 2015**

Product Description	3M™ 6657-1150 is a double coated stretch release tape with specially designed adhesive which could provide relatively high initial adhesion, good push strength and good shear holding power to a variety of surfaces, at the same time it has good vibrating resistance ability. 3M™ 6657-150 also designed as stretch release double coated tape which could offer clean stretch rework performance.
Product FAB	High shock absorb ability and Water Proof Strong Adhesion Power on various substrates Stretch release offers clean rework performance Excellent Push strength performance

Construction

Acrylic Adhesive
White specific PU material
Acrylic Adhesive
PCK Liner

Tape Thickness:	0.15mm
Liner Color, Type, Print	PCK Liner
Liner Caliper:	0.14mm
Carrier Type:	PU material

Note 1: Faceside adhesive is on the interior of the roll, exposed when unwound.
Note 2: Backside adhesive is on the exterior of the roll, exposed when liner is removed.

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Typical Physical Properties and Performance Characteristics

Note : The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Product Number	6657-150
Adhesion to stainless steel ASTM D3330-90 degree	N/100mm
dwell 20min RT	80
Adhesion to other surfaces ASTM D3330 – 90 degree, dwell 20min RT	N/100mm
PMMA	75
UV paint ink	75
Shear Strength – ASTM D3654 ($1\ inch^2$ sample size)	
1000grams at 72° F (22℃)	>1000 minutes
Elongation rate and MAX break loader (1 inch*0.5 inch sample CD/MD With tensile speed 12inch/min)	
Elongation rate	1100%
MAX break loader	50N
Relative solvent resistance	High
UV Resistance	Excellent
Water proof performance	IPX 7
Relative High Temperature Operating Ranges:	
Long Term (days, weeks)	80°C
Short Term (minutes, hours)	100°C
Shelf Life of Tape in Roll Form	24 months from date of manufacture when stored in original cartons at 70° F (21℃) and 50% relative humidity.

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Application Techniques

Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure helps develop better adhesive contact and improves bond strength.

To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Some typical surface cleaning solvents are isopropyl alcohol or heptane.

Note: Carefully read and follow the manufacturer's precautions and directions for use when working with solvents.

Ideal tape application temperature range is 70°F to 100°F (21°C to38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

General Information

All tapes have a film carrier, which can add dimensional stability to foams and other substrates. The carrier also provides easier handling during slitting and die-cutting.

Features

3M™ Adhesive is a medium-firm acrylic adhesive system featuring both high initial adhesion and good high temperature holding power.

Application Ideas

- Battery bonding

Application Equipment

To apply adhesives in a wide web format, lamination equipment is required to ensure acceptable quality. To learn more about working with pressure-sensitive adhesives please refer to technical bulletin, Lamination Techniques for Converters of Laminating Adhesives.

For additional dispenser information, contact your local 3M sales representative.

MSDS: 3M has not prepared a MSDS for the products which are not subject to the MSDS requirements of the Occupational Safety and Health Administration's Hazard Communication Standard, 29 C.F.R.

TSCA: The product is defined as articles under the Toxic Substances Control Act and therefore, are exempt from inventory listing requirements.

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ISO 9002

This Engineered Adhesives Division product was manufactured under a 3M quality system registered to ISO 9002 standards.

3M

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