

# Scotch-Mount™

## 9529 Double Coated Foam Tape

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### Product Data Sheet

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Updated : November 1993  
 Supersedes :

**Product Description** R-40 is a medium-firm rubber resin pressure sensitive adhesive system. It features good holding power, good high temperature and solvent resistance and adhesion to a wide variety of surfaces including low surface energy plastics such as polyethylene and polypropylene.

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**Physical Properties**  
 Not for specification purposes

<b>Adhesive Type</b>	Medium-Firm Rubber Resin	<b>3M ref : R-40</b>
<b>Foam Core</b>	Polyethylene Foam	<b>Foam Density</b> 70 kg/m <sup>3</sup>
<b>Thickness (ASTM D-3652)</b> Tape Liner Total	1.50 mm 0.10 mm 1.60 mm	
<b>Release Liner</b>	White Paper	
<b>Tape Colour</b>	White	
<b>Shelf Life</b>	12 months from date of despatch by 3M when stored in the original carton at 21°C (70°F) & 50 % Relative Humidity	

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**Performance Characteristics**  
 Not for specification purposes

<b>Temperature Performance (°C)</b> (Minutes/Hours) (Days/Weeks)	75 °C 50 °C	
<b>Static Shear Strength</b> weight held for 100 hours to stainless steel with ½ sq in (3.23 sq cm) overlap	2500g at 20°C	
<b>Normal Tensile (T-Block)</b> to Aluminium at room temp, 6.45 sq cm, jaw speed 50 mm/min	48 N/cm <sup>2</sup>	
<b>Solvent Resistance</b>	Not Recommended	
<b>UV Light Resistance</b>	Not recommended for direct exposure to sunlight or other sources of ultra-violet light.	

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### Application Techniques

1. Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact & thus improves bond strength.

2. To obtain optimum adhesion, the bonding

surfaces must be clean dry and well unified. A typical surface cleaning solvent is isopropyl alcohol. Use proper safety precautions for handling solvents.

3. Ideal tape application temperature range is 21°C to 38°C (70°F to 100°F).

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

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### Applications

Splicing of paper foil or film.

Mounting of posters or display items.

Mounting of plastic nameplates and parts.

Manufacture of sample cards.

