**RS PRO**

## FEATURES

- **High strength adhesive backing to ensure long seal life**

- **Tape system is versatile, convenient, quick and easy to use**

- **Ideal for bonding, attaching and mounting**

- **Designed for use on irregular surfaces**

- **Can be used for shock absorption, insulation or cushioning**

# RS PRO Black Foam Tape, 20mm x 5m, 4mm Thick

### RS Stock No.: 554-866



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## Product Description

This exceptional RS PRO Black Polyethylene (PE) Foam tape produces a very high cohesive strength which produces a very high bond strength and high load capacities thanks to the adhesive. It features a strong initial adhesion and great holding power to a variety of materials

## General Specifications

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|---|---|
| **Backing Material** | PE |
| **Colour** | Black |
| **Single/Double Sided** | Double Sided; Single Sided |
| **Adhesive Material** | Acrylic; Modified Acrylic; Rubber |

## Electrical Specifications

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|---|---|
| **Dielectric Constant** | 1.42 |
| **Dielectric Strength** | 91kV/mm |
| **Dry Arc Resistance** | 92 |
| **Volume Resistivity** | 10^14ohm-cm |
| **Thermal Conductivity** | 0.63W/(m.K) |

## Mechanical Specifications

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|---|---|
| **Width** | 20mm |
| **Thickness** | 4mm |
| **Length** | 5m |
| **Adhesion Strength** | 4.5N/cm |
| **Foam Density** | 800;850kg/m³ |
| **Tensile Strength** | 85N/cm |
| **Adhesion Strength Unfaced Side** | 3.8N/cm |
| **Compression Force Deflection (25%)** | 15-35kPa |
| **Compression Set (25%/22h/23°C)** | 10-15% |
| **Elongation** | 89 |
| **Water Absorption** | 1.40% |
| **UV Resistance** | No Degradation |
| **Corrosion Resistance** | Pass |
| **Ozone Effect Rating** | 0 |
| **Shrinkage (22h/70°C)** | 20-40% |
| **Shore Hardness** | 35-45 |
| **Flame Resistance (>3mm)** | FMVSS302 Pass |
| **Environmental Protection** | CFC, Halogen, & HCFC Free |
| **Initial Tack** | 29N/25.4mm |
| **180° Peeling Strength To Steel Plate** | 21N/25.4mm |
| **Holding Power** | 48hours |
| **Heat Resistance** | -20°C ~+140°C |
| **Wind Driven Rain Resistance** | 600pa |
| **Air Permeability** | 100pa |
| **500 Hour Static Shear (Stainless Steel)** | 0.8Kg/cm$^2$ |
| **Dynamic Shear** | 85N/cm$^2$ |

## Operation Environment Specifications

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|---|---|
| **Minimum Operating Temperature** | -20°C |
| **Maximum Operating Temperature** | 155°C |

## Approvals

| Compliance/Certifications | CE / UR / cUR |
|---|---|