

3M GM641 Soft Gripping Material

Category : Polymer , Adhesive

Material Notes:

3M™ Gripping Materials are based on 3M's proprietary micro-replicated technology. 3M gripping materials consist of a high-friction surface developed to enhance grip and reduce slippage. The plain backed versions have a nylon knit backing that provides stretch in the cross-web direction; it would typically be attached to other substrates by sewing. It is ideally suited for applications requiring some stretch, such as work or athletic gloves. The adhesive backed 3M gripping materials have the same high-friction surface with a thin flexible backing laminated with an acrylic pressure sensitive adhesive which is good for low surface energy surfaces. These gripping products are designed to be used along, or as a two-part mated system. When used alone on a single surface, 3M soft gripping material holds, it releases just as easily. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-GM641-Soft-Gripping-Material.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------|----------|----------|
| Thickness | 27.2 microns | 1.07 mil | |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|--------|---------|--|
| Hardness, Shore A | >= 40 | >= 40 | |
| Coefficient of Friction | 3.4 | 3.4 | wet, kinetic |
| | 3.5 | 3.5 | dry, kinetic |
| Abrasion | 3.0 | 3.0 | [%], Taber, CS-10 500 g, Stem damage; ASTM D3389 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|----------|----------|----------|
| Maximum Service Temperature, Air | 71.0 °C | 160 °F | |
| Minimum Service Temperature, Air | -40.0 °C | -40.0 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|----------------|----------|
| Adhesive Carrier | Polyester knit | |
| Appearance | Black | |

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