

3M 12030 Black 1/2" (12.7 mm) Polyurethane Foam

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane Foam, Unreinforced

Material Notes:

High flexibility and conformability for secure seals and effective sound damping without crumbling or embrittlement
Choice of medium or high density
Low water absorption and good solvent resistance for tough duty gasketing
Choice of thickness from low profile 1/16 inch to a gap-filling 1/2 inch
Low VOC to help meet green goals
Low-outgassing for electronics applications
Choice of five prelaminated adhesive formulations with good peel and shear strength for most surfaces including hard-to-bond plastics; all with performance at up to 250°F
Available with or without adhesive
Clean, easy die cutting and slitting
Low minimum order quantities
Custom slit widths
Non Adhesive foams are UL 94HBF, File E61941 Recognized Coupon
Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-12030-Black-12-127-mm-Polyurethane-Foam.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------|----------------------------|----------|
| Density | 0.240 g/cc | 0.00867 lb/in ³ | |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|---------------------|-----------------|------------|
| Tensile Strength at Break | 0.345 MPa | 50.0 psi | |
| Elongation at Break | 90 % | 90 % | |
| Compressive Strength | 0.0241 - 0.0448 MPa | 3.50 - 6.50 psi | Deflection |
| Tear Strength | 0.700 kN/m | 4.00 pli | |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|---------|---------|------------|
| Minimum Service Temperature, Air | 66.0 °C | 151 °F | Long term |
| | 121 °C | 250 °F | Short term |

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