

## 3M 12028 Black 1/8" (3.2 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-12028-Black-18-32-mm-Polyurethane-Foam.php](http://www.lookpolymers.com/polymer_3M-12028-Black-18-32-mm-Polyurethane-Foam.php)

Physical Properties	Metric	English	Comments
Density	0.240 g/cc	0.00867 lb/in <sup>3</sup>	

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

## Contact Songhan Plastic Technology Co.,Ltd.

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