

3M 12050 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-12050-Black-12-127-mm-Polyurethane-Foam.php

Physical Properties	Metric	English	Comments
Density	0.320 g/cc	0.0116 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	0.517 MPa	75.0 psi	
Elongation at Break	100 %	100 %	
Compressive Strength	0.0552 - 0.0827 MPa	8.00 - 12.0 psi	Deflection
Tear Strength	1.20 kN/m	6.83 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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