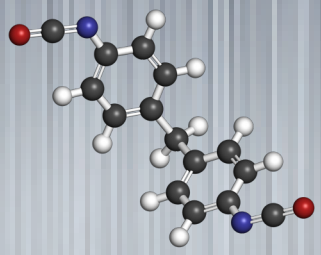
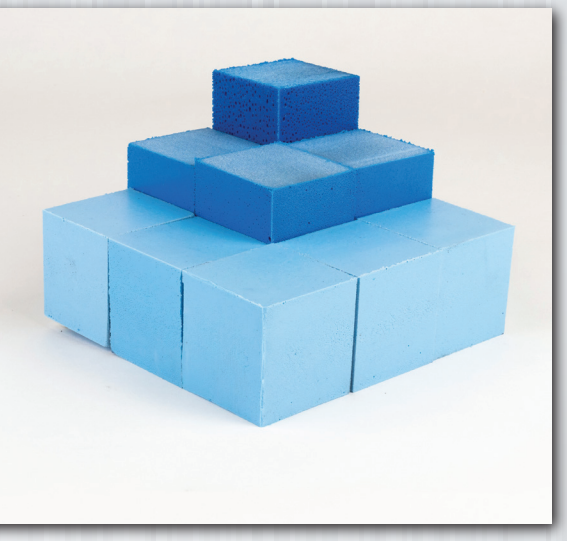
TechSpecs Durethane F®



Overview

Durethane® F is our adaptable polyurethane foam technology. We create Durethane® F by introducing blowing agents to the material chemistry, which generates gas bubbles and embeds a cellular structure in the cured material. This proprietary foaming process allows us to engineer foams with open or closed cells and a wide range of specifiable physical properties.



[1]ASTM D2240, Shore A
[2]ASTM D3574A
[3]ASTM D624, DIE C
[4]ASTM D412

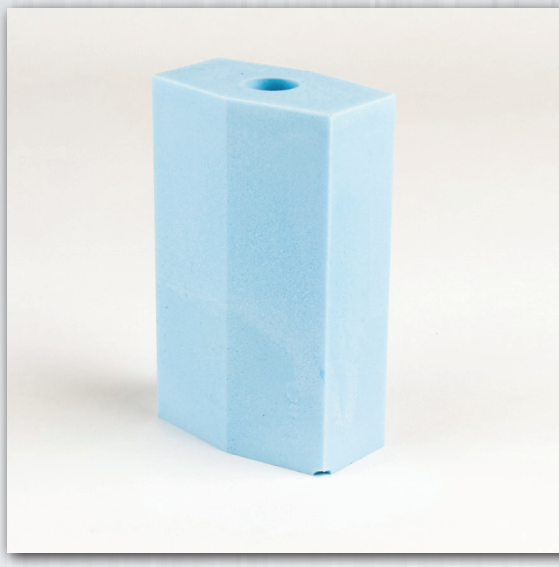
Benefits

- Self-cleaning pores shed debris, reducing maintenance costs and extending product life
- Prevents glazing, maintaining product performance over time and wear
- Cell size and structure can be customized, along with the material's physical properties
- Available with a variety of surface finishes, including integral skin
- FDA-compliant formulations available
- Can be made conductive using our patented metal salts technology

Applications

Durethane® F is the most versatile of our polyurethane technologies. Its flexible chemistry allows us to adapt the material for a variety of applications, including:

- Shock Absorption
- Material Handling
- Conveyance Systems
- Digital Printing & Imaging
- Currency Handling
- Bumpers & Cushions



Physical Properties

Our trade-secret formulations allow us to achieve a wide range of physical properties, including:

- Hardness range from Shore 25A to 50A[1]
- Tensile strength range from 800 PSI to 1400 PSI[2]
- Tear strength range from 100 to 160[3]
- Elongation range from 330% to 700%[4]

MPC
Mearthane Products Corporation

Made in the USA since 1965

www.mearthane.com

Physical Properties for Durethane® F Materials

Name	Hardness	Backbone	Tensile Strength	Elongation	Tear Strength
	Shore A or D	TDI or MDI	PSI)	%	DIE-C (PLI)
DF225A	25A		1000	575	100
DF230A	30A		1100	600	135
DF235A	35A		1250	625	142
DF240A	40A		1325	650	150
DF245A	45A		1400	700	160
DF640A	40A		900	700	100
DF750A	50A		800	330	130

LEDGEND

 MDI Ether

 MDI Ester

 TDI Ester

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