MP FOAM QUICK GUIDE

PRODUCT	MP 35	MP 45	MP 55	MP 70	MP 70 CORK	MP 80
Material	EVA FOAM	EVA FOAM	EVA FOAM	EVA FOAM	EVA+CORK BLEND	EVA FOAM
Durometer Shore A ±5°	25°	35°	45°	60°	60°	75°
Thickness in.	1/16" - 1 1/2"	1/16" - 1 1/2"	1/16" - 1 1/2"	1/16" - 1 1/2"	1/16" - 1 1/2"	1/16" - 1 1/2"
Thickness mm	1.5 - 38	1.5 - 38	1.5 - 38	1.5 - 38	1.5 - 38	1.5 - 13
Stock Sizes	Full 46"x76" Half 46"x38"	Full 45"x72" Half 45"x36"	Full 44"x70" Half 44"x35"	Full 39"x64" Half 39"x32"	Full 39"x64" Half 39"x32"	Full 31"x55" Half 31"x27"
Colors	Solids	Solid, Swirl, Camo	Solids	Solids	Cork	Solids
Finish	Smooth	Smooth, Scalloped, Diamond, Perforated	Smooth, Scalloped, Diamond, Perforated	Smooth	Smooth	Smooth
Comparable Products	P-Cell, Puff-Lite, ProCell	Puff, Pelite, Jfoam	Puff, Cloud, Ucolite	FirmPuff, Crepe	Multi-Cork, Crepe	EFM, ExFirm Soleflex, Ucolen

PRODUCT	LD 24	LD 45	LD 70	PK 80	XPE
Material	POLYETHYLENE PLASTAZOTE	POLYETHYLENE PLASTAZOTE NO. 1	POLYETHYLENE PLASTAZOTE NO.2	POLYETHYLENE PLASTAZOTE	CROSS-LINKED OLEFIN FOAM
Durometer Shore A ±5°	10°	18°	32°	50°	66°
Thickness in.	1/16" - 1 1/8"	1/16" - 1 1/8"	1/16" - 1 3/8"	1/16" - 1 3/8"	1/8" - 3/8"
Thickness mm	1.5 - 30	1.5 - 30	1.5 - 35	1.5 - 35	3 - 10
Stock Sizes	Full 40x80 Half 40x40	Full 40x80 Half 40x40	Full 40x60 Half 40x30	Full 40x60 Half 40x30	Full 32x60 Half 32x30
Color Options	Black	Black, Blue, Ind.Pink, White	White	Silver	Natural
Finish	Soft	Medium	Firm	Extra Firm	Cross-linked
Comparable Products	MP Foam 35	MP Foam 35	MP Foam 45	MP Foam 55	MP Foam 70

PRODUCT	MP BLUE	MP BLUE+	MP SLOW	MP NEO	MP NEO+	MP SPONGE
Material	URETHANE FOAM HIGH REBOUND	URETHANE FOAM HIGH REBOUND+	URETHANE FOAM SLOW REBOUND	NEOPRENE	NEOPRENE+	SPONGE RUBBER
Thickness in.	1/16" - 1/4"	1/16" - 1/8"	1/16" - 1/4"	1/16" - 1/8"	1/16" - 1/8"	1/16" - 1/4"
Thickness mm	1.5 - 6	1.5 - 3	1.5 - 6	1.5 - 3	1.5 - 3	1.5 - 6
Stock Sizes	Full 54"x36" Roll 4.5" x 80'	Full 54"x36" Roll 4.5" x 80'	Full 54"x36" Roll 4.5" x 80'	Full 50" x 80" Roll 4.5" x 50'	Full 50" x 80" Roll 4.5" x 50'	Full 54x36 Roll 4.5"x 50'
Color Options	Black, Blue, Tan	Black Suede, Blue Scrim	Burgundy	Bare/Black	Black, Burgundy, Green, Royal Blue , Bamboo	Black, Royal Blue
Finish	Smooth	Woven Polyester or Vegan Suede	Smooth	Bare/Smooth	SILPURE Nylon or Bamboo2	Nylon
Comparable Products	PORON, PPT	PORON, PPT	PORON, PPT	Gum Rubber, EPDM, Silicone	Gum Rubber, EPDM, Silicone	Gum Rubber, EPDM, Silicone

MATERIAL	Hardness: Shore A	Thickness Range (mm)	TEMPERATURE	TIME
MP 35	23 - 28	2-44	230º F	45 sec - 1.5 min
MP 55	38 - 43	2-44	230º F	1 min - 2 min
MP 70	55 - 60	2-44	250º F	2 min +
MP 80	70 - 75	2-44	250º F	2 min +
MP Blue Urethane	10-15	2-44	N/A	N/A
LD 45	18-23	2-44	230º F	45 sec - 1.5 min
LD 70	32-37	2-44	230º F	1 min - 2 min
XPE	66-71	2-44	250º F	2 min +
Synergy Laminates	Multi-Duro	Multi-Layer	230º F	1 min - 2 min

MatPLUS™

Call for pricing
440.352.7201
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MP FOAM™

★ ★ ★ ★ ★

VERSATILE. Popular materials for top and base layers alike.

DURABLE. Better rebound and longer appliance life.

WORKABLE. Excellent fabricating qualities suitable for all processes.

ECONOMICAL. Less costly than other foams of similar ability.

WTF?

What's that foam? Get to know your foams...

Ethylene Vinyl Acetate (EVA)

MP Foam™

UV Resistant
High buoyancy
Shock absorbent
Waterproof
Anti-fatigue
No cover needed
Multi-Color
Thermal insulator
Lightweight
Durable
Non-skid
Low density
Acoustic reduction

USAGE:
Top covers
Bottom layers
AFO interface
Distal end pads
Lifts
Diabetic insoles
Postings
Liners
Exercise mats
Body protection

Polyethylene (PE)

Plastazote®

High impact strength
High energy absorption
Quick rebound
Thermal insulator
Ultra lightweight
Better with finished surface
Anti-friction
Odor resistant

USAGE:
Protective headwear
Body protection
Prosthesis
Base layers
Exercise mats
Traditional diabetic top layer
Distal end pads
Soft goods

Urethane (PU)

MP Blue™ & MP Slow™

Extreme cushion
Ultra high impact
Variable rebound
Moisture wicking
Higher density
Lower durability
Requires pairing

USAGE:
Shock absorbing mid-layer
Top layer w/ fabrics
Cushion layer
Impact pads

Chloroprene (CR)

MP Neo™

Extreme thermal insulator
Water resistant
Highly flexible
Age resistant
Environmentally resistant
Chemical resistant
Use covered or uncovered

USAGE:
Orthotic central core
Insulant lining
Top cover
Orthopedic bracing
Athletic insoles
Sports pads