FOAM N MORE UPHOLSTERY

DRY FAST DATA SHEET

Chemical Stability of Polyurethane Foams

	Polyester	Polyether
WATER		
Room temperature	>5 years	Probably > 10 years
160 F	8 weeks	Probably > 1 year
200 F	9 days	Probably > 6 months
Note: Salt such as NaCl have no additional adverse effect. Salts that have a pH to acid side will accelerate rate of hydrolysis (degradation) to a greater extent than salts that have a pH to basic side.		
ACIDS		
HCl– concentrated	Dissolves in 2 min.	40 Days
-dilute	10 days	> 2 years
H2SO4-concentrated	Dissolves in 5 min.	Dissolves in 5 min.
-diluted	40 days	> 2 years
HNO3-concentrated	Dissolves in 25 min.	Dissolves in 3 hrs.
-diluted	10 days	> 2 years
BASES		
NaOH– 36%	2 days	1-1/2-2 years
-diluted	12 days	> 2years
NH4OH– concentrated	12 days	> 1-1/2 years
-diluted	4 months	> 2 years
SOLVENTS		
Hydrocarbons	Slight swelling (5-10%)	Moderate swelling (20-30%)
Chlorinated	Severe swelling (50-75%)	Severe swelling (50-100%)
Alcohols	Slight swelling (5-10%)	Moderate swelling (30-50%)
DMF or DMSO (Hot)	Dissolves	Dissolves

DESCRIPTION:

Dry Fast polyether– polyurethane foam outdoor cushions dry almost immediately after exposure to rain, salt spray, melting snow, morning dew, washing, or other forms of moisture and humidity. Large, open pores permit maximum water drainage and air circulation, allowing use quickly after being wet or even saturated. With Dry Fast outdoor cushioning materials you can offer your customers the best of both worlds-long lasting wear and comfort combined with extremely fast drying properties

Consider these advantages for your outdoor recreational cushions—and your customer:

- Sheds Water Like A Sieve, yet providers the seating comfort of a foam. Large, completely open pores (reticulation) permit rapid draining and maximum air circulation for fast drying.
- Unique Proprietary Formulation enhances strength and durability for long term exposure to sun and inclement weather.
- Resistant to Most Chemicals including most cleaning agents, solvents, alkalies, and acids (bleach may cause rapid discoloration). Built-in fungicidal additive inhibits fungus, mildew-important for retarding stain and odor.
- Compound Shapes For Unusual Cushion Designs may be easily fabricated. Dry Fast cushions can be shaped the same as conventional foam.
- Comfort; Dry Fast cushions may also be lightly overwrapped with non-woven fiber padding for extra plushness. After wrapping, test cushions to insure proper drainage. Adjust padding density as necessary. Pores should not be blocked with adhesive.

The chlorine in pools can swell the foam. The amount of swelling depends on the chlorine content.

If the foam swells, it will be weaker in tensile/ tear/ elongation than in a non-swelled state.

1177 W. Maple, Clawson, MI 48017 Tel:248-284-0002 Fax: 248-284-0008 www.foamforyou.com

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REGICELL/SPEAKER FOAM

Type	PPI	Density	CLD@40%	Tensile Strength	Elongation	Color
Regicell 10	10	1.87	0.508	21.76	160	Black
Regicell 15	15	1.87	0.508	21.76	160	Black
Regicell 20	20	1.87	0.508	21.76	160	Black
Regicell 25	25	1.87	0.435	26.11	220	Black
Regicell 30 (in stock)	30	1.94	0.435	29.01	230	Black
Regicell 45	45	2.00	0.508	29.01	210	Black
Regicell 60	60	1.87	0.508	36.26	260	Black
Regicell 80	80	1.87	0.508	43.51	270	Black
Regicell 80X	80	1.87	0.508	40.61	230	Black
Regicell 100	100	1.87	0.508	43.51	270	Black/ White
Regicell 35 Hi-Fi	35	1.87	0.435	26.11	150	Black
Regicolor VS	60	1.93	0.435	39.16	290	Blue, Green, Yellow, Red

Regicell filter foam is a pore controlled polyester foam with a defined and uniform pore size. The number of pores is defined in PPI (pores per linear inch). The cell membranes are completely removed by an additional reticulation process. The completely open pore structure gives extremely good flow characteristics.

Temperature resistance: -40 to 212 F (293F for short periods)

Burn size: 40"x 75"x ht.

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