

## Polyurethane Ester Reticulated Foam

### Product Description:

The reticulated foam product line has been specifically developed to meet the exacting requirements of quality filtration foam. Reticulated foams are thermally reticulated Polyester products and are offered in pore counts from 8 to 100 as well as in many different colours.

Some of the uses of Reticulated Polyester products are:

- Air filtration
- Shoe polish and cosmetic applicators
- Matrix for ceramic filtration
- Medical applications

Physical Properties	Unit	Test Method	Test Results					
			10ppi	20ppi	30ppi	45ppi	60ppi	80ppi
Density	lb/ft <sup>3</sup>	ASTM D3574	1.7 - 2.1	1.7 - 2.1	1.7 - 2.1	1.7 - 2.1	1.7 - 2.1	1.7 - 2.1
CFD at 25%	psi	ASTM D3574	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6	0.4 - 0.6
Tensile Strength	psi (minimum)	ASTM D3574	14	14	20	20	30	30
Elongation	% (minimum)	ASTM D3574	150	150	160	160	200	240
Pore Count	ppi	RPA-1002	8 - 13	16 - 25	27 - 35	40 - 50	55 - 70	75 - 90*
Service Temperature (°F) (°C)			°F			°C		
Low			-40			-40		
High Continuous			212			100		
High intermittent								
Flame Resistance	UL-900 Class 2		Pass					

\*visual comparison

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