

DeWAL DW 482P

Ultra High Molecular Weight Polyethylene

DeWAL Industries

Message:

DW 482P is a porous film produced from skived Ultra High Molecular Weight Polyethylene (UHMW). The process yields a highly uniform pore structure in the x, y, and z directions. The porous film has made hydrophilic by incorporating a surfactant into the porous structure.

DW 482P has an open cell, tortuous path, with a porosity up to 35%. Application areas would include liquid and air filtration, vents, diagnostics, wicks, and support media for finer membrane structures, where porosity, chemical inertness, and mechanical strength are important.

General Information		
Features	High Strength	
	Hydrophilic	
	Porous	
	Ultra High Molecular Weight	
Uses	Filtration Media	
	Membranes	
Forms	Film	
Physical	Nominal Value	Unit
Density	0.550 to 0.750	g/cm ³
Thickness	0.1 to 3.2	µm
Average Pore Size	25.0	µm
Core ID	7.62	cm
Maximum Roll OD	330	mm
Pore Size Distribution - PMI	5.0 to 60.0	µm
Void Volume	25 to 35	%
Width ¹	6.35 to 711	mm
NOTE		
1.	1/16" increments	

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