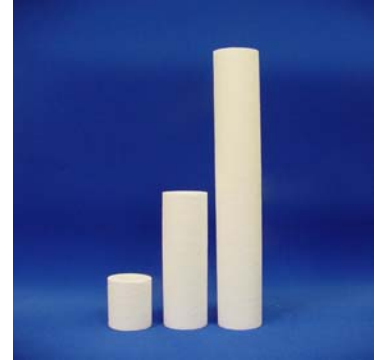




- Consistent Performance
- Rigid Construction Maintains Lower Pressure Drop
- Longer Life
- No Media Migration From Thermally Bonded Fiber Structure
- Wide Chemical Compatibility



Our Polyspun filter cartridges are nominally rated, 100% pure polypropylene filters. A high performance process, using very fine diameter fibers, which build up producing spun bonded layers, give the filter its depth. This process results in an element with excellent pore size consistency and very high void volumes. The outer layers contain different graded pore sizes which act as pre-filtration by removing larger particles from the stream, leaving smaller particles to be trapped by the fine fibers of the inner layer. The use of very fine fibers – typically between 1 and 5 micron – creates many more pores than is possible with large fiber which results in open volumes in excess of 65% which in turn provides longer service life.

Flow Performance The semi rigid type of construction and high void volume provides excellent flow with minimal PSID as seen in the table to the right. The results are based on clean water at 77°F, viscosity 1 CP, through a single length 10" (254mm) element. The differential pressure loss at other viscosities can be estimated by multiplying the PSID shown by the viscosity in centipoise.

Clean Pressure Drop	
Micron Rating	PSI / GPM Per 10" Cartridge
P01 (1 micron)	1.5
P05 (5 micron)	0.8
P25 (25 micron)	0.2
P50 (50 micron)	0.1
P75 (75 micron)	0.05
P100 (100 micron)	<0.05
P150 (150 micron)	<0.05

Filtration Efficiency Polyspun elements are nominally rated at 90+% efficiency. This corresponds to a beta value = 10, which is the ratio of the particle count at specified particle size and larger upstream against the particle count at specified size and larger downstream of the filter. Efficiency tests were conducted by passing SFTD (Super Fine Test Dust) as a suspension in water, through single 10" (254mm) element at a flow rate of 2.5 GPM (9.5 LPM), with particle counters reading the upstream and downstream particle levels.

Filter Specifications:	
Dimensions: Nominal Lengths:	4", 5", 10", 20", 30", 40"
Outside diameter:	2.5"
Inside diameter:	1"
Maximum Operating Temperature:	175°F
Suggested Maximum PSID:	35 PSID @ 70°F
Micron Ratings:	01, 05, 25, 50, 75, 100, 150 µm

Ordering Guide:				
Prefix	Length Code	Nominal Length	Suffix	Micron Rating
LE	716	4"	P01	1
LE	718	5"	P05	5
LE	720	10"	P25	25
LE	795	20"	P50	50
LE	797	30"	P75	75
LE	798	40"	P100	100
Example: LE-720-P50			P150	150