

PLANARGARD® CL BULK AND POINT-OF-USE CARTRIDGE FILTERS

Designed to meet the needs of next generation copper and ILD slurries



high retention graded-density filter technology

Overview

Entegris' Planargard® CL graded-density depth filters provide CMP applications the critical performance balance between the removal of defect-causing agglomerate gels and delivery of the necessary slurry solution to the wafer surface. Fabricated of durable polypropylene, Planargard CL accomplishes this balance through a filter matrix capture mechanism, reducing the potential for premature filter "plugging" as the particles are retained in the filter.

Performance

Planargard CL filters remove only disruptive particles from the CMP slurry, leaving the active slurry components in the stream to perform in concert with the pad. The size distribution of the slurry particles is unchanged after filtration, ensuring that a consistent slurry solution is delivered to the wafer surface.

Filter Selection

Planargard CL filters are available in an array of options to match your application specific filtration objectives. Entegris is proud to offer the knowledge and applications expertise of our worldwide technical support team to our customers when selecting and evaluating the ideal filter for your applications.

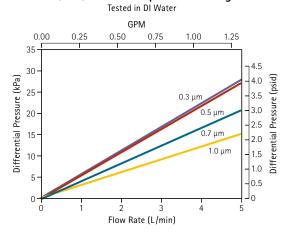
Features	Benefits	
Nonwoven media design	Enables the filter to retain defect-causing agglomerates with high efficiency	
Removes only those particles that are disruptive	The particle size distribution of the "working" slurry particles does not change after filtration	
Available in 0.3, 0.5, 0.7 and 1.0 μm sizes	Designed to meet the needs for bulk and point-of-use filtration of CMP slurries	

Specifications

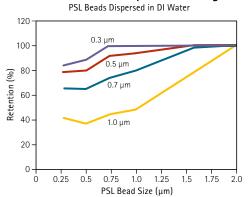
Materials of construction:	All polypropylene construction		
	Cartridge o-ring	EPR, 2-222	
Operating conditions:	Maximum forward differential pressure	0.48 MPa (4.8 bar, 70 psi) @ 25°C	
	Maximum reverse pressure	0.15 MPa (1.5 bar, 70 psi) @ 20°C	
Available sizes and adapters:	Length	5", 10", 20", 30"	
	Adapter	222	
Available retention rating:	0.3, 0.5, 0.7 and 1.0 μm		

Performance Data

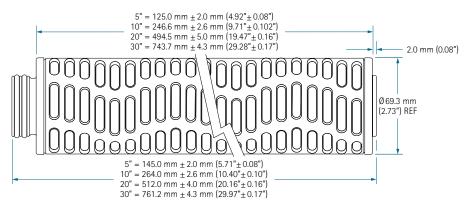
Pressure Drop for Planargard CL 0.3, 0.5, 0.7 and 1.0 μm 10" Cartridges



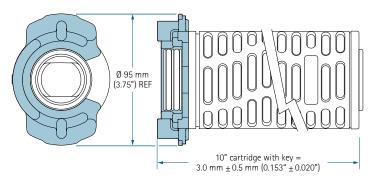
Retention of Planargard CL 0.3, 0.5, 0.7 and 1.0 μm 10" Cartridges



Dimensions

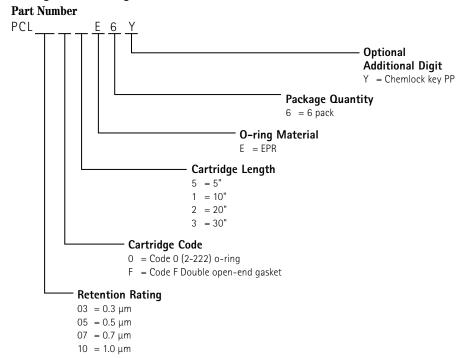


End View Chemlock® Key on Cartridge



Ordering Information

Planargard CL Cartridge Filters



Example:

PCL0701E6 = Planargard CL 0.7 μ m, code 0, 10", EPR, 6 pack PCL0701E6Y = Planargard CL 0.7 μ m, code 0, 10", EPR, 6 pack, Chemlock key PP

For More Information

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit *www.entegris.com* and select the Customer Service link for the center nearest you.

Terms and Conditions of Sale

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