Data Sheet

Donaldson
Torit® DCE®

Replacement Element Media

Polyphenylene Sulphide (PPS) Needlefelt – (Ryton, Procon)	
Appearance	
Use	Filter bags
Composition	100% PPS
Area Weight (g/m^2) (DIN53854)	540
Thickness (mm) (DIN 53855)	1.9
Air Permeability (DIN 53887)	150 (1/dm2 min @ 200 Pa)
Dimensional Stability @ 150°C (%)	<1.0
BIA Category	Not applicable
Surface Finish	Singed collection side only
Additional Treatments	Heat set
Surface Electrical Resistance	Not applicable
Temperature (dry heat)	
Continuous (°C)	190
Peaks (°C)	230
Chemical Resistance	
Hydrolysis	Excellent
Acids	Excellent
Alkalis	Very Good
Oxidising agents	Poor
Organic solvents	Excellent
Abrasion Resistance	Good
Supports Combustion	No
Suitable applications	High temperature filtration in the presence of acids, alkalis and moisture, including hot flue gases from incinerators and coal fired boiler applications. PPS displays excellent resistance to hydrolysis, even at its upper temperature limit.
	What to avoid
	Strong oxidising agents, particularly near to its upper temperature limit will degrade PPS, typically bromine and nitric acid. High oxygen contents at elevated temperatures will also degrade PPS. To avoid oxidation at elevated temperatures, the oxygen content in the gas stream should not exceed 15%.

Donaldson reserve the right to alter design without notice. Freedom from patent restrictions must not be assumed.

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