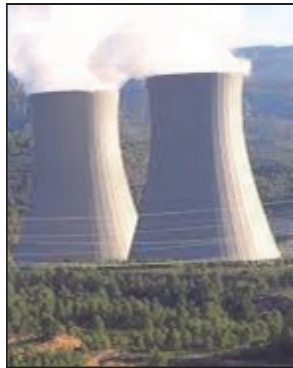


DARAK[®] 9000

DARAK[®] 9000 is a microporous duroplastic separator. DARAK's combination of properties, including high temperature stability, low electrical resistance and low acid displacement, makes DARAK 9000 the best choice for flooded stationary (Plante') cells for power plant applications and UPS systems.



Advantages

- Used in long life flooded lead-acid batteries
- Available in various profile designs and dimensions
- Ridged construction for ease of handling (manual or fully automatic)
- High porosity and small average pore size (microporous)
- Low acid displacement and electrical resistance
- High overall thickness (2.9 mm)
- Resistant to cracking under mechanical force
- Common applications include batteries for power plants, transmission and distribution substations, telecommunications and UPS systems

Benefits

- High oxidation resistance ensures long battery life
- Rapid separator wet-out with electrolyte
- Not susceptible to corner breaks
- Mechanically stable under compression and temperature
- PVC-free: does not release chlorides to the electrolyte, there are no issues with recycling, and no potential corrosion issues

DARAMIC[®]

DARAK[®] 9000

DARAK[®] 9000

Key Properties of DARAK[®] 9000

	Unit	DARAK [®] 9000
Overall Thickness	mm	2.9
Backweb Thickness	mm	0.9
Porosity	%	68
Average Pore Size	μm	0.6
Max. Pore Size	μm	<1
Acid Displacement	ml/m ²	370
Electrical Resistance	Ωcm ²	0.14

Comparison of Key Properties

Attribute	Unit	DARAK [®] 9000	PE	Micro-PVC	Sinter PVC	Rubber
Overall Thickness	mm	2.9	2.0	2.0	2.0	2.0
Backweb Thickness	mm	0.9	0.5	0.7	0.5	0.8
Porosity	%	68	58	70	35	52
Electrical Resistance	Ωcm ²	0.14	0.25	0.16	0.30	0.25
Acid Displacement	ml/m ²	370	350	250	350	400
Avg. Pore Size	μm	<1	0.15	0.4	15	0.8

DARAK[®]

A **POLYPOR[®]** Company

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