

Bakelite Synthetics Products for Composite Applications

APPLICATION					PROCESSING								PRODUCTS			BENEFITS									
Ablatives (Eg. Aerospace, Rocket nozzle, Heat shielding etc.)	Interiors (Eg. Transportation and Dwelling: Sandwich panels, Flooring, Walls etc.)	Electrical conduit (Eg. Cable channels, Battery boxes etc.)	Ballistics (Eg. Helmets, Protective shields etc.)	Construction (Eg. Exteriors, Offshore grating, Dwelling etc.)	Pre-Preg	Honeycomb dip	Hand lamination	Impregnation	Infusion (VI, VARI, RTM)	SMC (Sheet Molding Compound)	Filament winding	Pultrusion	Type			Resin	Gelcoat	Catalyst	Customizable pot life through catalyst selections	Lower curing temperature (2 component systems)	Reduced formaldehyde emission	Improved load bearing strength	Improved flexibility	Military certification	Light color
													Resin	Gelcoat	Catalyst										
•	•			•			•		•				•				BK 486G34	•	•						
•	•			•	•			•					•				BK 7600								•
•	•			•	•	•		•	•				•				BK 7648	•	•		•			•	
•	•	•	•	•	•	•		•			•		•				BK 7649							•	
	•	•				•		•					•				BREAKTHRU™ 171K90			•					
				•							•	•					Bakelite® PS70-006_D					•			•
•	•	•		•	•		•		•		•	•	•				Cellobond™ J2027X01	•	•	•					
	•			•			•						•				Cellobond™ J2042X01	•	•	•					
	•	•		•	•					•	•	•	•				Cellobond™ J6021X01	•	•	•					
•	•		•	•	•		•						•				Cellobond™ SC-1008P							•	
	•			•	•		•						•				Cellobond™ SL-7098 (US)				•	•			
•	•			•	•								•				Cellobond™ ULF PS54-002			•					
	•			•	•								•				Cellobond™ ULF PS90-206			•	•	•			
•	•		•	•	•		•						•				Durite™ SC-1008							•	
	•	•					•	•			•	•	•				Durite™ SL-575B	•	•		•	•			
	•						•	•					•				Cellobond™ ULF GC84-500	•	•	•					
•	•	•					•	•			•	•		•			Phencat™ 15	Fastest catalyst, shortest pot life, *							
•	•						•	•					•				Phencat™ 10	Fast catalyst, short pot life, **							
•	•	•		•	•		•	•			•	•		•			Phencat™ 382	Latent catalyst, moderate pot life							
•	•	•		•	•		•	•			•	•		•			Phencat™ 4826C	Latent catalyst, moderate pot life							
•	•	•		•	•		•	•	•	•	•	•		•			Resonance™ MC93-521	Latent catalyst, moderate pot life							
•	•	•		•	•		•	•	•	•	•	•		•			Resonance™ MC93-520	Latent catalyst, longest pot life, ***							

All products provide:

- Light weight
- Fire resistance
- Reduced smoke and toxicity
- High temperature stability

* Recommended especially for Gelcoat

** Recommended for curing at lower temperature

*** Recommended for higher ambient temperature

For additional information regarding our complete product line, please contact us at www.Bakelite.com or your Bakelite representative.

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