

Typical Applications for Attwater Grades

	B1	B3	B4/PQ	B5	B10	B12	B30	G10	B32	B34	B36	B38	B48	B42
Aero engines										•				
Air motor vanes					•	•								•
Aircraft components					•	•	•			•	•		•	
Aluminium smelting furnaces									•		•		•	
Automotive components	•		•		•			•			•			
Antenna components								•	•		•		•	
Bag sealing components									•					
Seal strips for PE bags									•	•				
Ball race cages					•			•			•		•	
Bearing retainer plates					•			•			•	•		
Bolts and screws	•	•	•	•	•	•		•			•	•	•	
Busbar supports	•	•												
Cams and cam followers	•	•	•	•	•	•								
Capacitor caps			•											
Chemical plant					•	•	•	•						•
Coil formers	•	•	•		•			•			•			
Compressor rotor blades					•	•						•		
Conveyor wheels		•			•	•					•			
Conveyor pallets	•	•	•					•						

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Control panels	•	•	•					•						
Cryogenic components								•			•		•	
Dance shoes			•		•	•	•	•				•		
Distribution boards	•	•						•						
Dowels and pins		•	•	•	•	•								
Electrical equipment	•	•			•	•	•	•	•	•	•	•	•	•
Fairleads					•		•			•	•		•	
Furnaces									•					
Gaskets and seals	•		•		•	•								
Gears					•	•	•	•				•		•
Generators	•				•	•					•		•	
Guide Plates	•	•	•	•	•	•		•			•		•	
H.V Barriers	•							•			•	•	•	
High frequency components									•					
High Temperature components							•		•	•				
Insulating cable supports	•	•	•	•	•	•		•			•	•	•	
Insulating brackets	•	•	•	•	•	•			•	•	•	•	•	
Insulating bushes, spacers and sleeves	•	•	•	•	•	•	•	•	•	•	•	•	•	
Insulating handles	•	•	•	•	•									
Low Loss Insulation									•					
Low voltage insulators		•	•	•	•	•								
Marine bearings						•								
Marine components					•	•		•						
Microwave windows									•					
Military equipment	•				•	•		•		•	•	•	•	
Oil filled transformer packing	•		•											
Patterns		•	•	•	•	•		•			•	•	•	

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Pipe seals and insulators	•	•			•	•	•	•		•	•		•	
Pipe supports	•	•	•	•	•	•								
Piston rings					•									
Precision machined parts	•	•	•		•									
Pulleys and sheaves					•	•								
Punched components			•		•									
Radar components									•					
Railways ancillaries						•	•	•	•		•	•	•	
Rollers - heavy duty						•								
Rolling Mill Bearings			•		•	•					•	•	•	•
Rotary controllers	•	•	•		•									
Rudder bushes						•		•			•			
Scraper blades					•	•								
Sealing rings					•	•								
Smelter insulation (electrical)									•					
Slide ways / tables					•	•								•
Slot wedges										•	•		•	
Stator packing	•				•	•					•		•	
Stand offs	•	•			•	•		•			•	•	•	
Switchgear	•	•			•	•								
Signalling switchgear	•							•	•					
Tap changers	•	•			•	•								
Thermal barriers									•	•				
Thrust Washers					•	•								
Underground insulation							•		•					
Water lubricated components					•									
Wear resistant components					•	•								
Welding jigs									•					

Typical applications for Attwater grades. This list is intended as a guide and is by no means exhaustive. Inclusion in the table does not guarantee suitability for specific applications.

Typical Applications for Attwater Grades

Attwater Grade	Sheet Type	BSEN60893 Current Specification	BS2572 Superseded Specification	BS3953 Superseded Specification
B10	Phenolic Cotton	3-4-PFCC305	F1	
B10S	Phenolic Cotton	3-4-PFCC204	F5	
B11	Phenolic Cotton	3-4-PFCC203		
B12	Phenolic Cotton	3-4-PFCC203	F2	
B12S	Phenolic Cotton	3-4-PFCC202	F4 or F2/1	
B42	Epoxy Cotton	3-2-EPCC301	F6	
B4PQ	Phenolic Paper	3-4-PFCP207	P1	
B4	Phenolic Paper	3-4-PFCP201	P1	
B3	Phenolic Paper	3-4-PFCP202	P2	
B3	Phenolic Paper	3-4-PFCP203	P2/1	
B1	Phenolic Paper	3-4-PFCP206	P3	
G10	Epoxy Glass	3-2-EPGC201		EP3
B46	Epoxy Glass	3-2-EPGC201		EP3
B38	Epoxy Glass (FR)	3-2-EPGC202		EP4
B36	Epoxy Glass	3-2-EPGC203		EP3 & EP5
B48	Epoxy Glass	3-2-EPGC203		EP5 & EP7
B30	Phenolic Glass	3-4-PFGC201		PF2
B32	Silicone Glass	3-6-SIGC201 / 202		SI4 / SI5
B34	Polyimide Glass	3-7-PIGC301		PI1