

Datasheet ASPC04



ASPC04 composite bearing material is made of carbon fibre fabric immersed in phenolic resin. ASPC04 is a high-performance material formed with advanced technology at specific temperatures and pressures. The material is extremely tough and can withstand high surface pressure at high temperatures. ASPC04 has good wear resistance and is suitable for working in dry, wet and lubricated conditions. ASPC04 has a low friction coefficient, is resistant to edge loading and hardly swells in water. ASEC Kunststoffen B.V. recommends a hardened surface on the opposing sides to protect them against wear and tear.

Application

Material

Self-lubricating material phenolic resin with carbon fiber.

Availability

	Value	Unit
Sheet thickness	on request	
Sheet size	on request	



ASPC04 - Specifications

Physical properties

	Test standard	Value	Unit
Density		1,48	g/cm ³

Mechanical properties

	Test standard	Value	Unit
Compressive strength static		450	MPa
Hardness		108	HRM
Bending strength		330	MPa

Thermal properties

	Test standard	Value	Unit
Min. working temperature		-40	°C
Max. working temperature		130	°C

Friction properties

	Test standard	Value	Unit
Coefficient of friction dynamic	Oil lubrication	<0,13	[-]

Electrical properties

	Test standard	Value	Unit
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