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# **Datasheet ASPC04**



ASPC04 composite bearing material is made of carbon fibre fabric immersed in phenolic resin. ASPC04 is a highperformance 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.

## Availablity

	Value	Unit
Sheet thickness	on request	
Sheet size	on request	



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# **ASPC04 - Specifications**

# Physical properties

	Test standard	Value	Unit
Density		1,48	g/cm³

# **Mechanical properties**

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

## 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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