



ENGLISH

Datasheet

Stock No: 185-3467

RS Pro Black Glass-Reinforced Plastic (GRP) Sheet, 500mm x 300mm x 16mm



Product Details

Glass Filled Nylon 66

Environmental: Glass filled Nylon 66 is unaffected by ultra-violet light. Strong acids (pH>3) will cause dimensional change due to absorption. Strong alkalis (pH>11) have no affect. Hot water and chlorinated hydrocarbons produce signs of mild attack by absorption.

High temperature static applications

30% glass filling reinforces stiffness

Excellent dimensional stability

Increased strength and performance in comparison to standard nylon 66

Black in colour

Max. Service Temp.	+110°C
Elongation	3.5 - 5%
Density	1.35 g/cm
Hardness (Rockwell-Shore D)	M90 (Rockwell)
Flammability Rating	UL 94 HB
Water Absorption	5.5% at saturation



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Specifications:

Colour	Black
Length	500mm
Width	300mm
Thickness	16mm
Material	Glass Reinforced Plastic
Density	1.35g/cm ³
Tensile Strength	140 (Wet) MPa, 160 (Dry) MPa
Hardness	M 90 Rockwell
Flammability Rating	UL 94 HB
Water Absorption	5.5%
Thermal Conductivity	0.27W/mK
Maximum Operating Temperature	+100°C