



Material Datasheet 16

Trade Name : PA6 Black

Material : Polyamide (PA)

Color : Black



Properties	Test Method	Test Condition	Unit	Typical Value
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Physical

Specific Gravity	ASTM D792		g/cm ³	1.132
Fiber Content/Ash			%	2

Rheological

Melt Flow Index	ASTM D1238	270°C - 2.16kg	g/10min	45.4
Melt Flow Index	ASTM D1238	250°C - 2.16kg	g/10min	35.6

Mechanical

Tensile Strength	ASTM D638	61.3 60.1 60.2	MPa	60.5
Elongation at Break	ASTM D638	2.2 2.1 3.2	%	2.5
Flexural Strength	ASTM D790		MPa	69.9
Flexural Modulus	ASTM D790		MPa	2248.7
Izod Impact Strength	ASTM D256	10.16mm*3.2mm 23°C	J/m	61.4

Thermal

Heat Distortion Temp.	ASTM D648	1.8mpa/deform 0.341	°C	63.4
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Flammability

Flammability	UL 94			HB
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The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. For further information, please contact or fax to AMK Technical Services Department.



Raw Materials



Finished Products

Car Rearview Mirror Accessories



Office Chair Caster

