

Akulon® K224-HG6U BK223

NEXEO PLASTICS Material Code: 111431



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Envalior
Imagine the Future

GENERAL INFORMATION

Akulon® is our family of high performance polyamide 6 and polyamide 66 materials, used by customers across the world in applications ranging from automotive, electronics & electrical, to furniture and packaging.

We offer Akulon® grades for injection molding, blow molding and extrusion (including barrier film, stock shapes, convoluted tubes, and mono and multi filament).

In molded parts the material offers an excellent balance of easy design and processing with outstanding mechanical properties over a wide temperature range and in diverse conditions. Meanwhile for extrusion the strength, resilience and easy processing of Akulon® sets the market standards.

Application Example - Air Inlet Manifold



Akulon® PA6 is a thermoplastic with high heat resistance, making it ideal for applications such as air inlet manifolds. Akulon® PA6 allows for reliable solutions due to its stiffness and toughness, and better surface appearance leads to more cost-effective solutions.

Physical and Chemical Properties	
Appearance	Solid (pellets)
Color	Naturally opaque, dependent on the added pigment
Odor / pH	Not Available
Melting point/freezing point	220 to 230 °C
Flash Point °C	> 355 °C
Relative density	>1 (Water = 1)
Density	>1 g/cm ³
Solubility	Insoluble in cold water
Auto-ignition temperature	>420 °C
Decomposition temperature	>300 °C
Remarks:	If the color of the product is black, the product may contain up to 0.9% carbon black.

End Markets

- Mobility
- Consumer Goods
- Electrical

Application Examples

- Air inlet manifolds
- Hot charged air ducts
- Structural reinforcements
- Engine covers
- Airbag containers
- Hydrogen pressure vessel
- Change air cooler caps
- Ski bindings
- Power tool housings
- Chainsaw housings
- Power equipment covers
- EV charging connectors
- Electrical connectors
- Miniature circuit breakers
- Residual current device
- Contactors

Brief Material Description

33% Glass Reinforced, Heat Stabilized, Black Nylon 6

Packaging / Minimum Order Quantity

- This is a made to order product
- Samples are available

SHOP AKULON® PROMOTABLE GRADES NOW!

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