

Technical Data

Product Description

Base Polymer
Polyamide 6

Filler/Additive System
10 % glass fibres, 20 % mineral

Special Features
heat stabilised, low warpage, improved surface appearance, impact modified

Market Segment
Automotive, Machinery

Application Area
housings, functional components

General

Material Status	• Commercial: Active		
Search for UL Yellow Card	• MOCOM Compounds GmbH & Co. KG • ALCOM® PA6		
Availability	• Asia Pacific	• Europe	• North America
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight	• Mineral, 20% Filler by Weight	
Additive	• Heat Stabilizer	• Impact Modifier	
Features	• Heat Stabilized • Impact Modified	• Low Warpage • Pleasing Surface Appearance	
Uses	• Automotive Applications	• Housings	• Machine/Mechanical Parts
RoHS Compliance	• Contact Manufacturer		
Processing Method	• Injection Molding		

Physical	Nominal Value Unit	Test Method
Density	1.33 g/cm ³	ISO 1183
Molding Shrinkage		ISO 294-4
Across Flow : 24 hr	0.30 to 0.50 %	
Flow : 24 hr	0.20 to 0.40 %	
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	6800 MPa	ISO 527-1
Tensile Stress (Break)	82.0 MPa	ISO 527-2
Tensile Strain (Break)	2.8 %	ISO 527-2
Flexural Modulus	6000 MPa	ISO 178
Flexural Stress	132 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.5 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45 kJ/m ²	ISO 179/1eU
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ISO 75-2/A
1.8 MPa, Unannealed	196 °C	
Vicat Softening Temperature	200 °C	ISO 306/B50
Melting Temperature	221 °C	ISO 11357-3



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Injection	Nominal Value Unit
Drying Temperature - Desiccant Dryer	< 80 °C
Drying Time - Desiccant Dryer	2.0 to 12 hr
Processing (Melt) Temp	270 to 290 °C
Mold Temperature	80 to 100 °C

Notes

¹ Typical properties: these are not to be construed as specifications.



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Where to Buy

Supplier

MOCOM Compounds GmbH & Co. KG

Telephone: +49-(0)40-78105-710

Web: <https://www.mocom.eu/>

Distributor

ALBIS Plastic

ALBIS Plastic is a global distribution and compounding company. Contact ALBIS Plastic for availability of individual products per country.

Telephone: +49-40-78105-0

Web: <http://www.albis.com/>

Availability: Global

