

# HiPrene ALC12BE

HiPrene ALC12BE is 20% Long Carbon Fiber reinforced polyamide-6 compound. This material combines excellent mechanical properties with low density and excellent dimensional stability. It has been designed for Weight reduction in Automotive and other industrial applications. The grade is available in black color.

	Properties	Test condition	Method	Unit	Value
Physical	Specific Gravity		ASTM D792	g/cm <sup>3</sup>	1,17
Mechanical	Tensile Stress at Yield		ASTM D638	MPa	195
	Tensile Strain at Break		ASTM D638	%	1,5
	Flexural Modulus	23°C (2mm/min)	ASTM D790	MPa	11500
Impact	Izod Impact Strength	23°C	ASTM D256	KJ/m <sup>2</sup>	10
	Izod Impact Strength	-30°C	ASTM D256	KJ/m <sup>2</sup>	9
Hardness	Rockwell Hardness	R-Scale	ASTM D785		122
Thermal	Temperature of De- flexion under Load (HDT)		ASTM D648	°C	215
	Ash Content	600°C	GS Method	%	20

All values are approximate values and are given after the best knowledge and conscience. Hence, because of variable processing terms or processing procedures an obligation cannot be derived from it.

Tekuma Kunststoff GmbH is not the manufacturer of a.m. product. The information return the result of the quality inspection. An assurance of certain properties and qualities for specify uses cannot be derived. We recommend additional tests with regard to the suitability ability. Guarantee occurs within the scope of our general terms of sale and terms of delievery.