

HIPRENE HLG74NE

HiPrene

© HLG74NE is polypropylene with 40% long glass fibers. The fibers are chemically coupled to polypropylene matrix. Pellets are cylindrical and usual length of embedded fibers is 10mm. This material combines excellent strength and stiffness with perfect impact resistance at low temperatures also. This grade is available in natural color.

	Properties	Test condition	Method	Unit	Value
Impact	Notched Charpy Impact Strength	23°C	ISO 179/1eA	KJ/m ²	25
Hardness	Rockwell Hardness	R-Scale	ISO 2039		102
Physical	Specific Gravity		ISO 1183	g/cm ³	1,21
	Volatile Matters		GS Method	%	0,12
Thermal	Ash Content	600°C	ISO 3451	%	40
	Head Deflection Temperature B		ISO 75-2/B	°C	160
Mechanical	Tensile Stress at Yield		ISO 527-2	MPa	130
	Tensile Strain at Break		ISO 527-2	%	4
	Flexural Modulus ¹	23°C / 2mm/min	ISO 178	MPa	9000