



POLYMER
Hemp

TECHNICAL DATA SHEET

PolymerHemp 999

30% Hemp Fiber Reinforced Polypropylene

PHYSICAL PROPERTIES	TEST METHOD	VALUES	UNITES
Melt Flow Rate, 230°C/2160g	ISO 1133	3	dg/min
Density	ISO 1183	0.99	g/cm ³

MECHANICAL	TEST METHOD	VALUES	UNITES
Tensile Strength	ISO 527	6,500 (45)	psi (MPa)
Flexural Modulus	ISO 178	500,000 (3,400)	psi (MPa)
Izod Impact - Notched at 23°C	ISO 180	3.5	KJ/m ²

THERMAL	TEST METHOD	VALUES	UNITES
Heat Deflection Temperature	ISO 75		
at 0.45MPa		295 (146)	°F(°C)
at 1.80MPa		240 (116)	°F (°C)

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