



TECHNICAL DATA SHEET

PolymerHemp 177

25% Hemp Fiber Reinforced Polypropylene

PHYSICAL PROPERTIES	TEST METHOD	VALUES	UNITES
Melt Flow Rate, 230°C/2160g	ISO 1133	5	dg/min
Density	ISO 1183	0.99	g/cm ³

MECHANICAL	TEST METHOD	VALUES	UNITES
Tensile Strength	ISO 527	4,200 (29)	psi (MPa)
Flexural Modulus	ISO 178	348,000 (2,400)	psi (MPa)
Izod Impact - Notched at 23°C	ISO 180	5.5	KJ/m ²

THERMAL	TEST METHOD	VALUES	UNITES
Heat Deflection Temperature	ISO 75		
at 0.45MPa		248 (120)	°F(°C)
at 1.80MPa		158 (70)	°F (°C)

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