

Mahesh Manglesh Plastics Pvt. Ltd.

Importer, Distributor and Stockists of Engineering Polymer Materials
PA6, PA66, POM, PBT, TPU, TPE, ABS, PMMA, PC, PA46, PPS, PPA



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Comparison Between MAPEX AN620 & FORMPOLY RN66GF30

Property	MAPEX AN4620SB-01	FORMPOLY RN66GF30 BK908A05
Base Resin	PA66 (Polyamide 66)	PA66 (Polyamide 66)
Glass Fiber Content	30%	30%
Color	Black	Black
Density (g/cm ³)	1.35–1.38	1.37
Mold Shrinkage (flow, %)	0.20–0.40	0.4–0.9
Water Absorption (%)	Not listed	0.62 (24 hrs), 1.08 (equilibrium)
Tensile Strength (MPa)	145	166
Tensile Strain at Break (%)	2.0	3.1
Flexural Modulus (MPa)	8,500	10,144
Flexural Strength (MPa)	215	249
Charpy Notched Impact (kJ/m ²)	7.0	8
Izod Notched Impact (kJ/m ²)	Not listed	8
Heat Deflection Temp (1.8MPa, °C)	230	235
Melting Temperature (°C)	260	Not listed
UL Flammability Class	HB at 0.40 mm	Not listed
Recommended Molding Temp (°C)	280–300	250–280
Recommended Mold Temp (°C)	80–120	60–90
Drying Temp (°C)	80–90	80
Typical Applications	Radiator end tank, heater core	Injection molding applications

Summary -

Both materials are 30% glass fiber reinforced PA66 and share similar key uses and mechanical properties, with minor differences in strength, stiffness, and processing ranges.