

Nylaforce® dyn A 50

PA66-GF50

Brenntag AG

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.3 / *	%	ISO 294-4, 2577

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	18000 / 12500	MPa	ISO 527
Tensile Strength	275 / 190	MPa	ISO 527
Strain at break	2.9 / 4.5	%	ISO 527
Charpy impact strength, +23°C	N / 98	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	16 / 20	kJ/m ²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	260 / *	°C	ISO 11357-1/-3

Other properties	dry / cond	Unit	Test Standard
Density	1570 / -	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Processing humidity	≤0.1	%	-
Melt temperature	280 - 310	°C	-
Mold temperature	80 - 140	°C	-
Back pressure	2 - 8	MPa	-

Characteristics**Processing**

Injection Molding

Features

Low Odor

Delivery form

Pellets

Regional Availability

Europe

Special Characteristics

Heat stabilized or stable to heat