Nylaforce® B 50

PA6-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	**17500 / 12000**	MPa	ISO 527
Tensile Strength	**250 / 170**	MPa	ISO 527
Strain at break	**3.2 / 5.5**	%	ISO 527
Charpy impact strength, +23°C	**100 / N**	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	**19 / 30**	kJ/m²	ISO 179/1eA

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**221 / ***	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	**200 / ***	°C	ISO 75-1/-2

Other properties	dry / cond	Unit	Test Standard
Density	**1570 / -**	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Processing humidity	**≤0.1**	%	-
Melt temperature	**250 - 320**	°C	-
Mold temperature	**80 - 140**	°C	-
Back pressure	**2 - 8**	MPa	-

Characteristics

Processing
Injection Molding

Delivery form
Pellets

Special Characteristics
Heat stabilized or stable to heat

Features
Low Odor

Regional Availability
Europe