



Stanyl® ForTii™ MX1 (NC1102C)		DSM Engineering Plastics	
PA4T-GF30			
Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.4 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.3 / *	%	ISO 294-4, 2577
Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	11000 / 11000	MPa	ISO 527-1/-2
Stress at break	180 / 180	MPa	ISO 527-1/-2
Strain at break	2 / 2	%	ISO 527-1/-2
Charpy impact strength (+23°C)	60 / 60	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	10 / 10	kJ/m ²	ISO 179/1eA
Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature (10°C/min)	325 / *	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	125 / *	°C	ISO 11357-1/-2
Temp. of deflection under load (1.80 MPa)	305 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	320 / *	°C	ISO 75-1/-2
Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Comparative tracking index	600 / -	-	IEC 60112
Other properties	dry / cond	Unit	Test Standard
ISO Data			
Humidity absorption	2 / *	%	Sim. to ISO 62
Density	1410 / -	kg/m ³	ISO 1183
Characteristics			
Processing		Additives	
Injection Molding		Lubricants, Release agent	
Delivery form		Special Characteristics	
Granules		Heat stabilized or stable to heat	