



<b>Stanyl® ForTii™ F81</b>		DSM Engineering Plastics	
<b>PA4T-GF15 FR(40)</b>			
<b>Product Texts</b>			
15% Glass Reinforced, Improved flow, Flame Retardant, Halogen free and free of red phosphorous			
ISO 1043 PA4T-GF15 FR(40)			
<b>Rheological properties</b>		<b>dry / cond</b>	<b>Unit</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	0.5 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.2 / *	%	ISO 294-4, 2577
<b>Mechanical properties</b>		<b>dry / cond</b>	<b>Unit</b>
<b>ISO Data</b>			
Tensile Modulus	7000 / 7000	MPa	ISO 527-1/-2
Stress at break	105 / 110	MPa	ISO 527-1/-2
Strain at break	2 / 2.1	%	ISO 527-1/-2
Charpy impact strength (+23°C)	30 / 30	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	7 / 7	kJ/m <sup>2</sup>	ISO 179/1eA
<b>Thermal properties</b>		<b>dry / cond</b>	<b>Unit</b>
<b>ISO Data</b>			
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)	300 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	320 / *	°C	ISO 75-1/-2
Burning behav. at thickness h	V-0 / *	class	IEC 60695-11-10
Thickness tested	0.8 / *	mm	IEC 60695-11-10
UL recognition	UL / *	-	-
<b>Electrical properties</b>		<b>dry / cond</b>	<b>Unit</b>
<b>ISO Data</b>			
Electric strength	33 / -	kV/mm	IEC 60243-1
Comparative tracking index	600 / -	-	IEC 60112
<b>Other properties</b>		<b>dry / cond</b>	<b>Unit</b>
<b>ISO Data</b>			
Water absorption	5.8 / *	%	Sim. to ISO 62
Humidity absorption	2.15 / *	%	Sim. to ISO 62
Density	1340 / -	kg/m <sup>3</sup>	ISO 1183
<b>Characteristics</b>			
<b>Processing</b>		<b>Special Characteristics</b>	
Injection Molding		Flame retardant	
<b>Delivery form</b>			
Pellets			