



EcoPaXX® Q-PG6		DSM Engineering Plastics	
PA410-I-GF30			
Product Texts			
30% Glass Reinforced, Impact Modified			
ISO 1043 PA410-I-GF30			
Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	12 / *	cm ³ /10min	ISO 1133
Temperature	290 / *	°C	ISO 1133
Load	5 / *	kg	ISO 1133
Molding shrinkage, parallel	0.7 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	1.3 / *	%	ISO 294-4, 2577
Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	8000 / 6000	MPa	ISO 527-1/-2
Stress at break	150 / 110	MPa	ISO 527-1/-2
Strain at break	4.5 / 5.8	%	ISO 527-1/-2
Charpy impact strength (+23°C)	85 / 90	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	20 / 25	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	14 / -	kJ/m ²	ISO 179/1eA
Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
Melting temperature (10°C/min)	250 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	215 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	240 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	55 / *	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	65 / *	E-6/K	ISO 11359-1/-2
Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
Volume resistivity	>1E13 / 1E12	Ohm*m	IEC 60093
Electric strength	40 / 38	kV/mm	IEC 60243-1
Comparative tracking index	- / 600	-	IEC 60112
Other properties	dry / cond	Unit	Test Standard
ISO Data			
Humidity absorption	1.4 / *	%	Sim. to ISO 62
Density	1300 / -	kg/m ³	ISO 1183
Characteristics			
Processing	Special Characteristics		
Injection Molding	High impact or impact modified		
Delivery form	Ecological valuation		
Granules	Contains renewable resources		
Additives			
Release agent			
Other text information			
Injection Molding			
Injection Molding Recommendations			