



STAMAX 40YM240			
PP-GF40		Saudi Basic Industries Corporation (SABIC)	
Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	8300	MPa	ISO 527-1/-2
Tensile Strength	121	MPa	ISO 527-1/-2
Strain at break	2.1	%	ISO 527-1/-2
Charpy impact strength (+23°C)	68	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	48	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	22	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	28	kJ/m ²	ISO 179/1eA
Puncture - maximum force, +23°C	6600	N	ISO 6603-2
Flexural modulus (23°C)	7850	MPa	ISO 178
Flexural modulus	5550	MPa	ISO 178
Flexural modulus temperature	80	°C	ISO 178
Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load (1.80 MPa)	157	°C	ISO 75-1/-2
Other properties	Value	Unit	Test Standard
ISO Data			
Density	1220	kg/m ³	ISO 1183
Characteristics			
Processing		Features	
Injection Molding		Chemically Coupled Reinforcement	
Delivery form			
Pellets			