

STAMAX 20YK270E PP-GF20		Saudi Basic Industries Corporation (SABIC)		
Mechanical properties		Value	Unit	Test Standard
ISO Data				
Tensile Modulus		4450	MPa	ISO 527-1/-2
Tensile Strength		80	MPa	ISO 527-1/-2
Strain at break		2.4	%	ISO 527-1/-2
Charpy impact strength (+23°C)		49	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C		56	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)		16	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C		18	kJ/m ²	ISO 179/1eA
Puncture - maximum force, +23°C		4700	N	ISO 6603-2
Flexural modulus (23°C)		3900	MPa	ISO 178
Flexural modulus		2850	MPa	ISO 178
Flexural modulus temperature		80	°C	ISO 178
Thermal properties				
ISO Data				
Temp. of deflection under load (1.80 MPa)		156	°C	ISO 75-1/-2
Other properties				
ISO Data				
Density		1040	kg/m ³	ISO 1183
Characteristics				
Processing		Features		
Injection Molding		Chemically Coupled Reinforcement		