



TER Plastics
POLYMER GROUP



STAMAX 40YM240E

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			
ISO Data			
Temp. of deflection under load (1.80 MPa)	157	°C	ISO 75-1/-2
Other properties			
ISO Data			
Density	1220	kg/m ³	ISO 1183

Characteristics

Processing

Injection Molding

Features

Chemically Coupled Reinforcement

Delivery form

Pellets