


## Product Information

### PET E135TN

Glass fiber Reinforced Poly(ethylene terephthalate)

	Characteristics	High mechanical strength and thermal aging property, dimensional stability.		
	Applications	Brake booster, environment- friendly & corrosion-resistance structural parts, etc.		
Properties (23℃)	Typical Value <sup>[1]</sup>		Unit	Test Method
Mechanical				
Tensile Stress	215		MPa	ISO 527
Tensile Strain	3.0		%	ISO 527
Flexural Stress	300		MPa	ISO 178
Flexural Modulus	11000		MPa	ISO 178
Charpy Impact Strength (Unnotched)	55		kJ/m²	ISO 179
Thermal				
HDT (1.8MPa, 120℃/h)	225		℃	ISO 75
Other				
Density	1.63		g/cm³	ISO 1183
Water uptake	0.5		%	ISO 62
Flammability	HB		Class	UL-94
Mold Shrinkage (MD)	0.5		%	ISO 294
Mold Shrinkage (TD)	1.0		%	ISO 294
Molding Process <sup>[2]</sup>				
Drying Condition	Temperature		130-150℃	
	Time		3-5 h	
Mold Temperature	130-150 ℃			
Barrel Temperature	Nozzle	Front	Middle	Rear
	280-300℃	280-300℃	280-300℃	260-280℃

Note: [1] These figures are only intended as a guide and should not be used in preparing specifications.

[2] The molding process is only for reference and can be adjusted according to different models and products.