

**TRIBIT® 1710**

Samyang Corporation - Polybutylene Terephthalate

## General Information

**Product Description**

TRIBIT® is a crystalline engineering plastic with excellent processability, chemical resistance, wear resistance, and electrical properties. TRIBIT® has short processing cycle because of rapid crystallization. So it provides good dimensional stability and can be used for automotive or precision parts.

**General**

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Uses	• Automotive Applications • Automotive Interior Parts		

 Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.31		ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/2.16 kg)	23	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.118 in)	0.014 to 0.023	in/in	ASTM D955
Water Absorption (24 hr, 73°F)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6400	psi	ASTM D638
Tensile Elongation (Yield)	100	%	ASTM D638
Flexural Modulus	356000	psi	ASTM D790
Flexural Strength (Yield)	9960	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.73	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	135	°F	ASTM D648

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

