

TRIBIT® NEP1509GN15

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 ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.56		ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/5.0 kg)	55	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.118 in)	2.0E-3 to 0.012	in/in	ASTM D955
Water Absorption (24 hr, 73°F)	0.070	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	10700	psi	ASTM D638
Tensile Elongation (Yield)	2.0	%	ASTM D638
Flexural Modulus	782000	psi	ASTM D790
Flexural Strength (Yield)	15600	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.73	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	118		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	392	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.030 in)	V-0		UL 94

Notes

¹ Typical properties: these are not to be construed as specifications.

