

TECHNICAL DATASHEET

TRILFT® LF9080G50

PP + Long Glass Fiber

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.30
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	1,550
Flexural Strength at yield	kg _f /cm ²	D790	2,100
Flexural Modulus	kg _f /cm ²	D790	105,000
Izod Impact Strength, notched, 23℃ (1/8")	kg _f ·cm/cm	D256	24
THERMAL			
HDT, 4.6 kgf/cm ²	℃		165
ELECTRICAL			
OTHERS			
Mold Shrinkage	%		0.2~0.6

※ The figures listed in this table are typical values obtained under the standard test methods and may not be applicable for products that are under different application condition.

PROCESSING GUIDE

TRILFT® LF9080G50 GRADE

PP + Long Glass Fiber

- General processing conditions for TRILFTLF9080G50 are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	80~100
Drying Time	hr	3~5
Moisture Content, Max	%	0.02
Melt Temperature	℃	210~230
Nozzle Temperature	℃	220~230
Front Temperature	℃	210~220
Middle Temperature	℃	210~220
Rear Temperature	℃	200~210
Mold Temperature	℃	40
Screw Speed	rpm	<50
Vent Depth	mm	0.02~0.05

Global Network

HEAD OFFICE

Samyang Corporation
31, Jong-ro 33-gil, Jongno-gu, Seoul, Korea
T. +82-2-740-7747

Chemical Research Center

730, Daedeok-daero, Yuseong-gu, Daejeon, Korea
T. +82-42-865-8114

JEONJU ENGINEERING PLASTIC PLANT

147, Palbok-ro, Deokjin-gu, Jeonju, Korea
T. +82-63-210-6664

DAEJEON ENGINEERING PLASTIC PLANT

9 Yuseong-daero, 1366-gil, Yuseong-gu, Daejeon, Korea
T. +82-42-867-3800

SAMYANG ENGINEERING PLASTICS (SHANGHAI) CO., LTD.

No.131, Shuangying Road, Qingpu Industrial Area,
Qingpu County, Shanghai, China
T. +86-21-6922-2270

SAMYANG ENGINEERING PLASTICS (HUNGARY) CO., LTD.

H5100, Jaszbereny, Necso, Telep 1, Hungary
T. +36-21-311-1263

SAMYANG ENGINEERING PLASTICS (VIETNAM) LLC

1 Song Hanh Road, Nhon Trach 6 Industrial Zone, Long Tho
Commune, Nhon Trach District, Dong Nai Province, Vietnam
T. +84-0251-3686-707