TECHNICAL DATASHEET

TRIEL® HV5401BH

TPEE

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.15
Water Absorption (24 hours at 23℃)	%	D570	0.5
Melt Flow Rate (230℃, 2.16kg)	g/10min	D1238	1
Melt Flow Rate (230℃, 10kg)	g/10min		7
MECHANICAL			
Tensile Strength at yield	$kg_f/㎠$	D638	110(@50%)
Tensile Elongation at break	%	D638	>600
Flexural Strength at yield	$kg_f/㎠$	D790	58
Izod Impact Strength, notched, 23℃ (1/8")	$kg_f·㎝/㎝$	D256	No Break
Hardness (Shore D)	Shore D		45
THERMAL			
HDT, 4.6 ㎏f/㎠	℃		56
Vicat softening temperature	℃		155
ELECTRICAL			
OTHERS			
Mold Shrinkage (3mm thickness)	%	D955	1.5~1.7

※ 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

TRIEL® HV5401BH GRADE

TPEE

- General processing conditions for TRIELHV5401BH are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	100~110
Drying Time	hr	3~4
Moisture Content, Max	%	0.02
Melt Temperature	℃	220~250
Nozzle Temperature	℃	220~250
Front Temperature	℃	220~250
Middle Temperature	℃	220~250
Rear Temperature	℃	200~220
Mold Temperature	℃	30~50
Back Pressure	MPa	0.0~0.1
Screw Speed	rpm	10~50
Vent Depth	mm	0.02~0.08

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

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