

TECHNICAL DATASHEET

TRIPPS® 7A140

Reinforced PPS

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.68
Melt Flow Rate (315°C, 50kg)	g/10min	D1238	36
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	1,200
Tensile Elongation at break	%	D638	2
Flexural Strength at yield	kg _f /cm ²	D790	1,800
Flexural Modulus	kg _f /cm ²	D790	110,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	6
THERMAL			
HDT, 18.6 kg _f /cm ²	°C	D648	250
ELECTRICAL			
OTHERS			
UL-94 Flammability (0.75mm thickness)	-	(UL 94)	V-0
Mold Shrinkage (3mm thickness)	%	D955	0.2~0.3

※ 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

TRIPPS[®] 7A140 GRADE

Reinforced PPS

- General processing conditions for TRIPPS7A140 are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	120
Drying Time	hr	3-5
Moisture Content, Max	%	0.02
Melt Temperature	℃	315-325
Nozzle Temperature	℃	310-320
Front Temperature	℃	310-320
Middle Temperature	℃	310-320
Rear Temperature	℃	290-310
Mold Temperature	℃	130
Back Pressure	MPa	0.1-0.3
Screw Speed	rpm	10-50
Vent Depth	mm	0.02-0.05

Global Network

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