

TECHNICAL DATASHEET

TRIMMA® FT6120

Modified PMMA

PROPERTY	UNIT	ASTM METHOD	TYPICAL DATA
PHYSICAL			
Specific Gravity	-	D792	1.18
Melt Flow Rate (220°C, 10kg)	g/10min	D1238	9
MECHANICAL			
Tensile Strength at yield	kg _f /cm ²	D638	700
Tensile Elongation at break	%	D638	30
Flexural Strength at yield	kg _f /cm ²	D790	850
Flexural Modulus	kg _f /cm ²	D790	25,000
Izod Impact Strength, notched, 23°C (1/8")	kg _f ·cm/cm	D256	2
Rockwell Hardness	R scale	D785	120
THERMAL			
HDT, 18.6 kg _f /cm ²	°C	D648	85
ELECTRICAL			
OTHERS			
UL-94 Flammability (1.5mm thickness)	-	(UL 94)	HB

※ 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

TRIMMA® FT6120 GRADE

Modified PMMA

- General processing conditions for TRIMMAFT6120 are shown below. Drying prior to processing is essential to ensure desired appearance and property performance.

SPECIFICATION	UNIT	CONDITIONS
Drying Temperature	℃	80
Drying Time	hr	3-5
Moisture Content, Max	%	0.02
Melt Temperature	℃	220-240
Nozzle Temperature	℃	220-240
Front Temperature	℃	210-230
Middle Temperature	℃	210-230
Rear Temperature	℃	190-200
Mold Temperature	℃	50-80
Back Pressure	MPa	0.3-0.5
Screw Speed	rpm	40-70
Vent Depth	mm	0.02-0.08

Global Network

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