

SAMSUNG TOTAL Resin Compounds

High impact strength Compound PP

TI71NT

<http://www.samsungtotal.com/>

■ CHARACTERISTICS

- High impact strength
- Good processability
- Long term heat resistance

■ APPLICATIONS

- Electric, electronic parts require high impact resistance

■ PROPERTIES

PROPERTIES	ASTM METHODS	CONDITION	UNITS	TI71NT
MELT INDEX	D1238	230°C 2.16kg	g/10min	27
SPECIFIC GRAVITY	D792	-	g/cm ³	0.98
TENSILE STRENGTH	D638	50mm/min Type I	kg/cm ²	200
ENLONGATION			%	120
FLEXURAL STRENGTH	D790	5mm/min Span 48mm	kg/cm ²	330
FLEXURAL MODULUS				15,000
HARDNESS	D785	ROCKWELL	R-scale	50
IZOD IMPACT STRENGTH (NOTCHED)	D256	23°C	kg.cm/cm	22
		-10°C		5
HEAT DISTORTION TEMP.	D648	4.6kgf, 1/4"	°C	110
SHRINKAGE RATIO	STC	3mmt	1/1,000	7 ~ 11
FLAMMABILITY CLASS	UL94	0.75mm	-	HB

※ The values indicated in the table only describe typical properties, not constitute specification limits

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