Kimia Baspar Golpa

ABSFR200 Flame Retardant

General Information

●Characteristic: **General grade ABS>Flame retardant,medium Impact Strength**

●Application: **Electrical and Electronic part s,TV,VTR,Printer,facsmilie,computer,monitor &requiring flam retardant property.**

Physical Property

Property	Test method	Test condition	Unit	Nominal Values
Mechanical Property				
Notched Izod impact	ASTM D256	23ºC	KJ/m2	16
Rock well hardness	ASTM D-785	R-Scal	R-Scal	110
Tensile stress at yield	ASTM D638	23ºc , 50 mm/min	Mpa	41
Tensile modulus			Mpa	2100
Elongation at Yield			%	5
Elongation at break			%	15
Flexural modulus	ASTM D790	23ºc	Mpa	2000
Flexural strength			Mpa	63
Flammability				
Flammability	UL94	⅛ inch (3.2 mm)	V-0(1.2mm)	V-0
Thermal Property				
HDT(Heat Deflection	ASTM D648	unannealed1.82MPa	°C	82
Polymer property				
Melt flow index	ASTM D1238	220ºc , 10kg	g/10min	28
Density	ASTMD792	23ºc	g/cm3	1.16
Mold shrinkage	ASTM D955	100*100*3.2 mm	%	0.4~0.7

1-The above data are typical values.they are only for material selection purpose,and variation within normal telorances are for various colors.

typical values are not our specification and not be used for part or tool design.

2-all propertes ,except Melt Flow Index are measured on injection molded specimens and after 48 hour storage at 23°c and in RH of 50%..

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Processing guid (Injection molding condition)			
Processing parameters		unit	value
Drying Temprature		°C	60~80
Drying Time		hrs	2~3
Moisture content		%	<0.1
Melt Temprature		°C	190~220
Cylinder Tempratre	Reare	°C	190~220
	Middle	°C	190~220
	Front	°C	200~220
Nozzel Temprature		°C	200~220
Mold Temprature		°C	50~70
Back Pressure		kg/cm2	150~500
Screw Speed		rpm	30~60

Note): Some modifications may be required depending on the specific molding equipment and part configuration.

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