

POLYFLAME

PC/ABS 5VA-flame retardant grade

Applications

Polyflame is a non-halogenated, flame-retardant (UL94-5Va) Polycarbonate (PC)/ acrylonitrile butadiene styrene (ABS) alloy grade. Provides excellent balance properties, exhibits high heat-, good chemical-, good hydrolysis resistance, high flow ability and allows suit for paint and electro-plating. Is suitable for processing by injection molding. Used in LCD TV, PDP, photocopier, notebook computer and charger, rechargeable cell, automobile DVD, households products/consumer goods like power tool, electronics/computers like monitor and laser printer.

Physical Properties

Item	Typical Value	Unit	Test Method
Melt Flow Index (190°C/2.16kg)	8	g/10min	ISO 1133
Melt Flow Index (190°C/5kg)		g/10min	ISO 1133
Density	1.24	gr/cm ³	ASTM D792
Oxidative Induction Time (OIT)	>15	min	ISO 11357-6
Tensile Strength at Yield	50.35	MPa	ASTM D638
Elongation at Yield	30	%	ASTM D638
Izod Impact, notched	54	kJ/m ²	ISO 180
HDT	98	°C	ISO 75
Flammability	5VA(2.2 mm)		UL94

❖ General

Polyflame

- Recyclable
- Excellent balance properties
- High heat resistance
- Suit for paint and electro-plating
- High flow ability

❖ Packaging

Polyflame is supplied in regular pellet form packed in 25kg bags. It should be stored in a dry place