

High Flow PC/ABS Alloy WY-A240

Features

Excellent heat resistance and high mechanical strength;

Halogen-free flame retardancy (HFFR);

Excellent processability for injection molding.

Applications

Ideal for set-top boxes, projectors, and computers;

Widely used in communications equipment, networking devices, and consumer electronics.

Technical Properties

Property	Test Standard	Unit	Typical Value
Density (23°C)	ASTM D792	g/cm ³	1.18
Melt Flow Rate (260°C, 2.16kg)	ASTM D1238	g/10min	23
Tensile Strength (50mm/min)	ASTM D638	MPa	60
Flexural Strength (2mm/min)	ASTM D790	MPa	90
Flexural Modulus (2mm/min)	ASTM D790	MPa	2400
Impact Strength (Notched, 23°C)	ASTM D256	kg-cm/cm	60
Heat Deflection Temperature (1.82MPa)	ASTM D648	°C	86
Flammability	UL-94	1.5mm	V0

Processing Conditions

Parameter	Unit	Recommended Range
Pre-drying Temperature	°C	80–100
Pre-drying Time	h	3–4
Injection Temperature (Feed Zone)	°C	200–230
Injection Temperature (Middle Zone)	°C	230–260
Injection Temperature (Nozzle)	°C	220–255
Mold Temperature	°C	70–90

1.This data are provided for general reference only.

2.The typical values listed above are for reference only. During actual processing, process parameters should be adjusted accordingly based on mold design, product geometry, and dimensions.