+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

WeConnectScience

LG Chem

AF312C

Description

AF312C is an ABS product apply for injection molding, with 2.5mm V-0 flame retardancy and high flow

Key Features

Opaqueness, Flame Retardancy, Hot Stamping, Paintability, High Gloss, Dimensional Stability, High Flow

Application

Power switches, alarms, uninterruptible power supplies, security cameras

Plant

China(Huizhou)

Properties	Condition	Method	Unit	AF312C
Physical				
Melt Flow Index	220℃, 10kg	ASTM D1238	g/10min	53
Mechanical				
Tensile Strength at Yield	23℃, 50mm/min, 3.2mm	ASTM D638	MPa	42
Flexural Strength	23℃, 10mm/min, 6.4mm	ASTM D790	MPa	59
Flexural Modulus	23℃, 10mm/min, 6.4mm	ASTM D790	MPa	2200
Izod Impact Strength	Notched, 6.4mm, 23℃	ASTM D256	J/m	22
Rockwell Hardness	R-Scale	ASTM D785		100
Thermal				
Heat Deflection Temperature	Edgewise, 1.82MPa, 6.4mm, Unannealed	ASTM D648	℃	74

Note

Typical values can be used only for the purpose of selecting material, and there can be variation within normal tolerances for various colors.
Values given should not be interpreted as specification and not be used for designing part or tool.
All properties, except melt flow index are measured by injection molded specimens after 48 hours storage at 23℃, 50% relative humidity.

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Processing Guide (Injection Molding)

Processing Parameters	Unit	Value
Drying Temperature	℃	70~80
Drying Time	hrs	2~4
Injection Temperature	℃	190~230
Mold Temperature	℃	40~70
Screw Speed	rpm	30~60

Note

Injection Temperature & Screw Speed are only mentioned as general guidelines.
These may not apply or need adjustment in specific situations such as low shot sizes, thin wall molding and gas-assist molding.