

# Loyblend® YA-1201

Acrylonitrile Butadiene Styrene + PBT

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

## Message:

Loyblend® YA-1201 is 20% glass fiber filled PBT/ABS polymer alloy compound. This grade offers high rigidity, heat resistance, low wear, mechanical properties and chemical resistance properties.

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Good Chemical Resistance		
	Good Wear Resistance		
	High Heat Resistance		
	High Rigidity		
Uses	Appliances		
	Business Equipment		
	Electrical/Electronic Applications		
	Printer Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.50	%	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	7450	MPa	ASTM D638
Tensile Strength	96.0	MPa	ASTM D638
Tensile Elongation (Break)	4.3	%	ASTM D638
Flexural Modulus	5450	MPa	ASTM D790
Flexural Strength	140	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	95	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	114	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	4.0 to 6.0	hr	

Rear Temperature	230 to 240	°C
Middle Temperature	235 to 245	°C
Front Temperature	240 to 250	°C
Nozzle Temperature	250 to 260	°C
Mold Temperature	50.0 to 90.0	°C

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Recommended distributors for this material

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