

Loyblend® YA-1001FR

Acrylonitrile Butadiene Styrene + PBT

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Loyblend® YA-1001FR is 20% mineral filled flame retardant PBT/ABS polymer alloy compound. This grade offers excellent flame retardancy, low wear and low warping properties. This grade is developed mainly for portable appliances, printer enclosure, electrical/electronic applications, etc.

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Wear Resistance		
	Low Warpage		
Uses	Appliances		
	Business Equipment		
	Electrical/Electronic Applications		
	Printer Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.60	%	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5870	MPa	ASTM D638
Tensile Strength	52.0	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	5630	MPa	ASTM D790
Flexural Strength	98.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	125	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		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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