

Loyblend® TA-1010FR

Polycarbonate + ABS

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Loyblend® TA-1010FR is a flame retardant PC/ABS alloy compound. The flame retardant system give excellent flame retardancy with balanced mechanical properties.

General Information			
Additive	Flame Retardant		
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
	Good Processability		
	High Impact Resistance		
Uses	Appliances		
	Automotive Applications		
	Business Equipment		
	Electrical/Electronic Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	32	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.60	%	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2670	MPa	ASTM D638
Tensile Strength	50.0	MPa	ASTM D638
Tensile Elongation (Break)	> 50	%	ASTM D638
Flexural Modulus	2750	MPa	ASTM D790
Flexural Strength	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	600	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	75.0	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method

Surface Resistivity	> 1.0E+14	ohms	ASTM D257
Flammability	Nominal Value	Unit	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	210 to 230	°C	
Middle Temperature	220 to 240	°C	
Front Temperature	225 to 250	°C	
Nozzle Temperature	230 to 250	°C	
Mold Temperature	50.0 to 90.0	°C	

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