

Loyblend® TA-1840FR

Polycarbonate + ABS

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

Message:

Loyblend® TA-1810FR is non-chlorinated, non-brominated flame retardant PC/ABS alloy compound. This grade offers high flow and high gloss surface.

General Information			
Features	Bromine Free		
	Chlorine Free		
	Flame Retardant		
	High Flow		
	High Gloss		
Uses	Automotive Applications		
	Automotive Instrument Panel		
	Business Equipment		
	LCD Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	60	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2970	MPa	ASTM D638
Tensile Strength	59.0	MPa	ASTM D638
Tensile Elongation (Break)	> 30	%	ASTM D638
Flexural Modulus ¹	2550	MPa	ASTM D790
Flexural Strength ²	94.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	480	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	87.0	°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 100	°C	
Drying Time	4.0 to 6.0	hr	

Rear Temperature	220 to 230	°C
Middle Temperature	230 to 240	°C
Front Temperature	240 to 250	°C
Nozzle Temperature	250	°C
Mold Temperature	50.0 to 90.0	°C

NOTE		
1.	1.4 mm/min	
2.	1.4 mm/min	

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Recommended distributors for this material


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