

# Loyblend® TA-1300

Polycarbonate + ABS

Colour Image Plastic Compound Sdn. Bhd. (CIPC)

## Message:

Loyblend® TA-1300 is a general purpose PC/ABS alloy compound. This grade offers high hardness, good low temperature impact resistance, thermal and dimensional stability.

General Information			
Features	Good Dimensional Stability		
	Good Flow		
	Good Thermal Stability		
	High Rigidity		
	Low Temperature Impact Resistance		
Uses	Automotive Applications		
	Business Equipment		
	Electrical/Electronic Applications		
	General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/2.16 kg)	17	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.55 to 0.75	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2380	MPa	ASTM D638
Tensile Strength	49.0	MPa	ASTM D638
Tensile Elongation (Break)	110	%	ASTM D638
Flexural Modulus	2200	MPa	ASTM D790
Flexural Strength	80.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	570	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 4.00 mm)	96.0	°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	210 to 240	°C
Middle Temperature	220 to 250	°C
Front Temperature	230 to 260	°C
Nozzle Temperature	240 to 260	°C
Mold Temperature	60.0 to 80.0	°C

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#### Recommended distributors for this material

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