

toplastRcc™ A series

Product Description

toplastRcc™ A series are green recycle material solutions. We use recycle materials to customize the solutions containing maximum up to 100% PCR materials for customers. They can replace virgin resins such as ABS, HIPS, etc. in household, consumer electronics, auto and other fields. The product series have the same performance, quality stability and environmental compliance as virgin resins, and comply with GRS4.0 standard, assist in reducing carbon emissions more efficient and ensuring environmental sustainability.

Features

Appearance	✓ All Color
Feature	✓ Customized
Compliance	✓ RoHS ✓ REACH
Traceability	✓ GRS 4.0
Form	✓ Pellet

Technical Properties

Properties	Test method	Test Condition	Unit	Typical value ^[1]
Density	ASTM D792	23°C	g/cm ³	1.05
Melt index	ASTM D1238	220°C/10Kg	g/10min	25
Tensile Strength	ASTM D638	50mm/min	MPa	41
Flexural Modulus	ASTM D790	2mm/min	MPa	2300
Notched Izod Impact Strength	ASTM D256	23°C	J/m	130
Heat Deflection Temp.	ASTM D648	0.45MPa	°C	94
Flammability	UL94	1.6mm	Class	HB

[1] The values of pigmented material may be different; all the values can be customized.

Processing

		Optimum ^[1]	Range ^[2]
Pre-dry Temp.		80°C	75~85°C
Pre-dry Time		3h	2~4h
Barrel Zone Temp.	Rear	190°C	185~195°C
	Center	200°C	195~205°C
	Front	210°C	205~215°C
Mold Temp.		50°C	40~60°C
Processing Temp. Limit		270°C	
Injection Speed		Low or Medium	

[1] [2] The data sheet is just for reference. In actual injection process, the mold parameter should be adjusted by construction of mold, shape size of product, and so on.

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