

## toplastRcc™ CS series

### Product Description

toplastRcc™ CS series (CS405) are green recycle material solutions. We use recycle materials to customize the solutions containing maximum up to 40% PCR materials for customers. They can replace PC/ABS virgin resins 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 GRS 4.0 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 <sup>[1]</sup>
Density	ASTM D792	23℃	g/cm <sup>3</sup>	1.10
Melt index	ASTM D1238	260℃/5Kg	g/10min	15
Tensile Strength	ASTM D638	50mm/min	MPa	47
Flexural Modulus	ASTM D790	2mm/min	MPa	2350
Notched Izod Impact Strength	ASTM D256	23℃	J/m	400
Heat Deflection Temp.	ASTM D648	0.45MPa	℃	106
Flammability	UL94	1.6mm	class	HB

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

**Processing**

		Optimum <sup>[1]</sup>	Range <sup>[2]</sup>
Pre-dry Temp.		105℃	100~110℃
Pre-dry Time		3h	2~4h
Barrel Zone Temp.	Rear	240℃	235~245℃
	Center	250℃	245~255℃
	Front	265℃	260~270℃
Mold Temp.		60℃	50~80℃
Processing Temp. Limit		300℃	
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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