

toplastRcc™ N series

Product Description

toplastRcc™ N series are green recycle material solution with 30% fiberglass reinforced. We use recycle materials to customize the solution containing maximum up to 70% PCR materials for customers. It can replace PA6-GF virgin resins in household, personal care, 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 ✓ 30% Glass Fiber
 Compliance ✓ RoHS ✓ REACH
 Traceability ✓ GRS 4.0
 Form ✓ Pellet

Technical Properties

Properties	Test method	Test Condition	Unit	Typical value ^[1]
Density	ISO 1183	23°C	g/cm ³	1.36
Tensile Strength	ISO 527	5mm/min	MPa	170
Flexural Modulus	ISO 178	2mm/min	MPa	8200
Notched Charpy Impact Strength	ISO 179	23°C	J/m	140
Heat Deflection Temp.	ISO 75	1.8MPa	°C	205
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	80~90°C
Pre-dry Time		4h	3~4h
Barrel Zone Temp.	Rear	270°C	270~290°C
	Center	280°C	270~290°C
	Front	285°C	270~290°C
Mold Temp.		80°C	80~90°C
Processing Temp. Limit		300°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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