

# MAJORIS CT161

Polypropylene

AD majoris

## Message:

CT161 is a polypropylene compound 10% mineral filled for injection moulding.

The product is available in black (CT161 - 8229) and natural (CT161) but other colours can be provided on request.

CT161 has been developed for applications with good impact strength and heat stability.

## APPLICATIONS

CT161 is intended for components which require good impact strength, dimensional stability.

Suitable applications are:

Electrical tool and appliance components

Miscellaneous automotive technical items

Electrical parts

General Information			
Filler / Reinforcement	Mineral filler, 10% filler by weight		
Features	Good dimensional stability		
	Impact resistance, high		
	Recyclable materials		
	Thermal stability, good		
Uses	Electrical/Electronic Applications		
	Electrical components		
	Power/other tools		
	Home appliance components		
	Application in Automobile Field		
Appearance	Black		
	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.956	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1400	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield	20.0	MPa	ISO 527-2/50
Fracture	20.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	8.5	%	ISO 527-2/50

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	34	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	3.0	hr	
Processing (Melt) Temp	230 - 260	°C	
Mold Temperature	30.0 - 50.0	°C	
Injection Rate	Moderate		
Injection instructions			

Holding pressure: 50 to 70% of the injection pressure

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#### Recommended distributors for this material

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