

MAJORIS EC380

Polypropylene

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Message:

EC380 is a polypropylene 35% mineral filled polypropylene compound intended for injection moulding.

The product is available in natural EC380 but other colours can be provided on request.

EC380 has been developed especially for automotive and household appliances parts that require excellent balance between the impact strength and stiffness and very good surface quality.

APPLICATIONS

Automotive interior parts

Handles

Household appliances

Technical components

General Information			
Filler / Reinforcement	Mineral filler, 35% filler by weight		
Features	Recyclable materials		
	Excellent appearance		
Uses	Handle		
	Electrical appliances		
	Home appliance components		
	Application in Automobile Field		
	Car interior parts		
Appearance	Available colors		
	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage	1.0 - 1.6	%	
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus ¹	2000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	105	°C	ASTM D648
Flammability	Nominal Value		Test Method

Flame Rating	HB	UL 94
Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	3.0	hr
Processing (Melt) Temp	230 - 270	°C
Mold Temperature	30.0 - 50.0	°C
Injection Rate	Moderate	
Injection instructions		
Holding pressure: 50 to 70% of the injection pressure		
NOTE		
1.	2.0 mm/min	

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Recommended distributors for this material


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