



TECHNICAL DATA SHEET

Version: TDS_MC550_V2_241014

CALMAST® MC550

DESCRIPTION

CALMAST® MC550 is a PP Calcium Carbonate Filler MasterBatch product used in the plastic industry.

MAIN INGREDIENTS

No	INGREDIENT NAME/ RAW MATERIAL SPECIFICATIONS	INGREDIENTS/ VALUE	UNIT
1	CaCO3 Content	From 76 to 78	%
2	CaCO3 Particle Size	2	Micron

PHYSICAL PARAMETERS

No	PARAMETER NAME	VALUE	UNIT	CONDITIONS	METHOD
1	Melt Flow Index	From 40 to 50	g/10min	230°C, 2.16kg	ASTM D1238, A
2	Melting Point	145	°C	-	DSC
3	Moisture	<0.1	%	105°C, 10 min	ASTM D6980
4	Pellet size of product	From 2 to 4	mm	-	-

TEST RESULTS

No	METHOD	MIXING FORMULA			SAMPLE PARAMETER			TEST RESULTS					ILLUSTRATION
		No	Material name	Dosage (%)	No	Parameter Name	Value	No	Parameter Name	Value	Unit	Method	
1	PP INJECTION MOULDING	1	MC550	50	1	Thickness	3.2mm	1	Tensile Strength	17	Mpa	ASTM D638	
		2	PP (MI=26)	50	2	Width	12.7mm	2	Elongation	65	%	ASTM D638	

RECOMMENDED USE

1. Compatible application

- PP Coating

2. Dosage: From 5% to 50%

3. Use Temperature: From 200°C to 300°C

HANDLING

- **Product handling:** Store in a dry place, avoid direct exposure to sunlight.

- **Expiry:** Best within 24 months from date of manufacture and shown on packaging.

NOTE

The data is of a consultative based on our experience

The quality of the final product depends on the technical parameters and control parameters.