

## TECHNICAL DATA SHEET

Version: TDS\_MF550\_V1\_240619

# CALMAST® MF550


### DESCRIPTION

**CALMAST® MF550** is a Filler MasterBatch product used in the plastic industry  
The product is mixed from the following ingredients: Calcium Carbonate, PolyPropylene and additives.

### PHYSICAL PARAMETERS

No.	Item	Value	Unit	Method
1	Melt Flow Index At 230°C, 2.16kg	From 16 to 24	g/10min	ASTM D1238, Method A
2	Melting Point	145	°C	DSC
3	Moisture	<0.1	%	ASTM D6980
4	Pellet size of product	From 1 to 4	mm	-

### TEST RESULTS

No	Method	Mixing Formula			Sample parameter			Test Results				Illustration	
		No	Material Name	Ratio (%)	No	Parameter	Value	No	Item	Value	Unit		Method
1	PP Spinning	1	MF550	40	1	Denier	750D	1	Tensile Strength	3	g/D	ISO 2062:2009	
		2	PP Yarn (MI=4)	60	2	Yarn With	2.5mm	2	Elongation	22.4	%	ISO 2062:2009	

### RECOMMENDED USE

**Compatible applications:**

- Spinning yarn and weaving bags with woven bag a load capacity of under 100kg
- Spinning yarn and weaving bags with woven bag a load capacity of over 100kg

**Most suitable for products with a thickness of 13 microns or more**

**Dosage:** From 5% to 60%

**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*