

# TECHNICAL DATA SHEET

Version: TDS\_MB150\_V1\_240619

## CALMAST® MB150


### DESCRIPTION

**CALMAST® MB150** is a Filler MasterBatch product used in the plastic industry  
The product is mixed from the following ingredients: Calcium Carbonate, PolyEthylene and additives.

### PHYSICAL PARAMETERS

No.	Item	Value	Unit	Method
1	Melt Flow Index At 190 °C, 2.16kg	From 0.2 to 1.5	g/10min	ASTM D1238, Method A
2	Melting Point	130	°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	PE Blowing Film	1	MB150	50	1	Thickness	25Micro	1	Tensile Strength, MD	12.4	Mpa	ASTM D882	
			LLDPE (MI=2)	50				2	Tensile Strength, TD	7.7	Mpa	ASTM D882	
		3	Elongation, MD	599				%	ASTM D882				
		4	Elongation, TD	542				%	ASTM D882				
		5	Tear Strength, MD	169				gf	ASTM D1942				
		6	Tear Strength, TD	369				gf	ASTM D1942				

No	Method	Mixing Formula			Sample parameter			Test Results					Illustration
		No	Material Name	Ratio (%)	No	Parameter	Value	No	Item	Value	Unit	Method	
								7	Dart Drop Strength	172	g	ASTM D1709	
								8	Coefficient of friction	0.46	-	ASTM D1894	
								9	Gloss Surface	7	Gu	ASTM D2457	

## RECOMMENDED USE

### **Compatible applications:**

- Food contact bag
- Trash bag
- PE Casting Film
- PE Sheet Extrusion
- Carrier Bag
- PE Injection Moulding
- PE Pipe Extrusion
- PE Rotation Moulding

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

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

**Use temperature:** From 160°C to 280°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*