

## Technical Data Sheet

### Product Name: JC CaO-TL

**Chemical Composition:** Calcium Oxide treated with dispersion additives

**Function:** JC CaO-TL is an effective desiccant in both plastic & rubber with easy mixing

**Product Description:** JC CaO-TL is made from soft stone with advance calcination technology which results in high surface area and high activity. Due to the special surface coating, there will not be any unintended reaction with humidity.

Ease of plastic master batches: In plastic master batches, good dispersion is essential in preventing sieve choking which occurs when the pores in a sieve become clogged with particles from a poorly dispersed material, preventing it from passing through the sieve. JC CaO-TL is a surface treated with a special dispersion additive that improves the dispersion & overcomes the choking problem. Enhanced dispersion also reduces shear force & mixing time which results in power & time saving.

Sr. No.	Properties	Unit	Specifications
1	Appearance	-	Fine white/off white powder
2	Calcium Oxide	%	≥ 90
3	Sp. Gr. at 25°C	-	3.3 ± 0.1
4	MgO	%	≤ 1.5
5	Al <sub>2</sub> O <sub>3</sub>	%	< 0.75
6	SiO <sub>2</sub>	%	< 0.65
7	Fe <sub>2</sub> O <sub>3</sub>	%	< 0.025
8	Solubility in water	-	Insoluble
9	Solubility in mineral acids	-	Soluble
10	Temperature Profile (minutes /100 °C)	-	≤12

**Advantage:**

Reduces blisters & pin holes  
 Better dispersion  
 Delay action, fast reaction  
 Low PHR  
 Low Iron content

**Standard Packing:** 25pack/Bag

**Shelf life:** 1 year from D.O.M

**Storage:** Store in cool and dr place, moisture strictly avoided

**Mode of Action:** JC CaO-TL is coated with special additive which helps in processing ability and improves the flow at the time of compounding which lead to smoother surface. More than 75% loading is possible with the use of JC CaO-TL for desiccant master batch. By addition of JC CaO-TL, it will act slowly but gradually it will speed up the reaction process. It can be effectively used in reprocessing of thermoplastic materials.

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