



TECHNICAL DATA SHEET (TDS)

Product Name	: CALTECH
Product Grade	: NW
Product Description	: Calcium Carbonate (CaCO ₃) Masterbatch Polyolefin Improver
Form & Packaging	: Pellets; 25 Kg Woven Bag
Product Applications	: Non-Woven

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE
Specific Gravity	ASTM D 792	Gr/cm ³	1.90 ± 0.02
Ash Content (CaCO ₃)	Maker's Own	Wt %	80 ± 1
Moisture Content	Maker's Own	Wt %	Max. 0.15
Color	Maker's Own	-	Super White
Melt Flow Index	ASTM D 1238	Gr/10 Min (at 230°C)	25
Carrier Resin	-	-	Polypropylene (PP)
Average Particle Size (Calcium Carbonate)	-	Micron	1.5

Key Features:

- Excellent processability
- Excellent dispersion
- Low moisture content
- Reduces production material costs while maintaining mechanical performance

Recommended Settings:

- Compatibility : PP
- Dosage : 5 – 30%
- Processing Temperature : 180°C – 280°C
- Storage : Store in a cool, dry, clean location, away from direct sunlight