



TECHNICAL DATA SHEET (TDS)

Product Name : CALTECH
Product Grade : 201 Y
Product Description : Calcium Carbonate (CaCO₃) Masterbatch Polyolefin Improver
Form & Packaging : Pellets; 25 Kg Woven Bag
Product Applications : Yarn, Injection, Film

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 %	83 ± 1
Moisture Content	Maker's Own	Wt %	Max. 0.2
Color	Maker's Own	-	Natural White
Melt Flow Index	ASTM D 1238	Gr/10 Min (at 230°C)	11
Carrier Resin	-	-	Polyethylene (PE) + Polypropylene (PP)
Average Particle Size (Calcium Carbonate)	-	Micron	3.5

Key Features:

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

Recommended Settings:

- Compatibility : LLDPE, LDPE, HDPE, PP
- Dosage : 5 – 25%
- Processing Temperature : 140°C – 280°C
- Storage : Store in a cool, dry, clean location, away from direct sunlight