

Compound

BL3

Description

BL₃ Compound is a natural high-density BL₃ polyethylene compound filled with ~10% ultrafine CaCO₃, with excellent processability, high mechanical strength, good ESCR and surface quality. It designed for production of all bottles, small containers, and detergent and medicine containers.

General

Appearance: Natural Granule

Application: Bottles, Containers, Detergent and medicine containers

Processing Method: Blow Molding

Packaging: Jambo Bag

Properties

Property	Test Method	Unit	Result
Density	ISO 1183	g/cm ³	0.96±0.05
Melt Flow Index (190°C/5kg)	ISO 1133	g/10 min	1±0.2
Tensile Strength at Break	ISO 527	MPa	22
Elongation at Break	ISO 527	%	500
Hardness	ISO 868	Shore D	58
Ash Content	ISO 3451	%	~10
Oxidation Induction Time	ISO 11357	min	>30
Vicat Softening Temperature	ISO 306	°C	130

Extrusion

Cylinder Temperatures: 130-230 °C

Head & Die Temperatures: 220-230 °C

Notes

- Test results have been obtained with laboratory equipment. Change the test devise may give different results outside of the standard.
- The compound is suitable to run on different machines; however, some adjustments may be required on an individual machine. The customers are advised to check the product quality before commercial use.
- The compound should be stored in the original container securely under cool and dry conditions away from direct sunlight, heat and contamination.
- Shelf life at proper storage is about 36 months from the production date, but it is recommended to consume the compound within 18 months.