

TECHNICAL DATA SHEET: EBM.04

By Emamou



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Language: English

I. PRODUCT DESCRIPTION

- **EBM.04** is a family of high durability compostable polymers.
- It is a masterbatch that compounds 80% PBAT with 20% starch powder
- Designed as a raw material for film blowing applications
- Certified OK home compost TUV.
- Supply in pellet form.

II. TECHNICAL DATA

Parameter	Analysis method	Result
Color	Organoleptic evaluation	Natural color
Odor	Organoleptic evaluation	Neutral
Form		Pellets
Density	ASTM D792	1.3 g/cm ³



Melt flow index (190°C/2.16kg)	ASTM D1238	1-2g/10min
Melting temperature (DSC)	ASTM D 3418	120°C
Tensile Strength at Break	D 638	16 MPa
Elongation at Break	D 638	>300%
Izod Impact Strength, Notched	D 256	20 J/m
Water Content	ASTM D6980	<0.5%

III. PROCESSING INFORMATION

- Maximum Processing Temperature: 190°C
- It can be run on existing equipment
- General Processing Information: it is normally processed at melt temperatures ranging from 125°C - 160°C.

IV. STORAGE AND HANDLING

- Pellets are shipped in a vacuum bags and are ready to use as supplied. They should be stored in a sealed container with desiccant in a dry location away from heat.
- If pellets are exposed a humid environment, they will absorb moisture from the air. If needed, dry pellets by introducing warm dry air at 60°C for 1-4 hours. Pellets should be <0.5% moisture content prior to processing.

Note: Information in this document is based on our current knowledge and experience. It does not relieve customers of the responsibility to carry out their own tests and experiments nor do they imply any legally binding assurance. Customers are responsible to determine their freedom to operate to ensure that their products do not infringe any intellectual properties. Emamou assumes no obligation or liability for the information in this document



Certification



Equivalent to EN 13432



EN 13432

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