



# GEMATILEN BKHD

## 70% Calcium Carbonate filled Polyethylene Compound

### Description

Gematilen BKHD series is a 70% Calcium Carbonate (CaCO<sub>3</sub>) filled Polyethylene compound and particularly used in the production of corrugated pipes. Differing from the Gematilen BK series, it provides an increased rigidity structure.

### Applications

Gematilen BKHD series are specifically designed for Corrugated Pipe and Blow Molding applications. It offers a wide range of advantages including dimensional stability, stiffness, high impact resistance, low costs and high process efficiency. For two layer corrugated pipes, we recommend mix percentages of 10%-20% in the internal layer and 10%-25% in the external layer. This ratio can vary according to the machine's specifications, material thickness and the kind of raw material.

It is used for products where rigid properties are required in **Blow Molding and Extrusion** applications.

### Flexural Stress

- It creates a more rigid structure by increasing tensile strength taking the ductility of the material away. This is an important contribution for corrugated pipes.

### High Process Efficiency

- It increases production efficiency by increasing thermal conductivity and decreasing cooling times.

Physical Properties	Değer Value	Birim Unit	Metod Method
<b>Melt Flow Rate</b> (190 C;2,16 kg) Erime Akış Oranı	0.62 - 0.66	g/10 dk. g/10 min.	ISO 1133
<b>Density</b> Yoğunluk	1.71 - 1.73	g/cm <sup>3</sup>	ISO 1183
<b>Ash Content</b> Kül Değeri	71 - 73	%	ISO 3451
<b>Humidity</b> Nem	0.01	%	ISO 787

### Storage and Handling

For easy handling and storage, Gematilen BKHD is supplied as cylindrical pellets packed into 25kg. bags (55 bags per pallet) or bulk bags (1.000kg.). The storage location should be dry and dust free. The ambient temperature should not exceed 50°C otherwise it can lead to a degradation of the product, which can result in colour changes, odour and effect product performance.

### Important

Information contained in this Technical Data Sheet is given in good faith and to the best of the knowledge of GEMA ELEKTRO PLASTİK A.Ş. Before using the product mentioned herein, customers and other users should take all care in determining the suitability of this product for its intended purposes and particularly with regards to conformity with current regulations. It is the customer's responsibility to inspect and test our products in order to satisfy themselves as to the suitability of the product for their and their customer's particular purposes. GEMA ELEKTRO PLASTİK A.Ş. does not accept any liability whatsoever arising from the use of this information, or, the use, application or processing of any product described herein.

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