



# DAN Polymer

Technical Data Sheet

**Color Masterbatch: DANMB 185003**



DAN  
POLYMER

www.danpolymer.com  
Rev 01, July 2024

## Description:

DANMB 185003 is produced using high quality materials, organic and inorganic pigments with polyethylene resin, depending on the needs of the customer.

## Advantages:

- Produced using high quality materials
- Consistent quality
- Easy application in the production process

## Characteristics:

- Appearance: Granular
- Color: Blue
- Carrier: PE
- Processing Method: Injection molding, Film blowing,...

## Application:

Home appliance industry, automotive applications, electrical goods, housewares and other utility products

## Properties:\*

Parameters	Value	Unit	Test Method
<b>Physical</b>			
Melt Flow Index (190°C, 2.16 kg)	19±3	g/10 min	ASTM D 1238
Density	≥ 0.98	gr/cm <sup>3</sup>	ASTM D 1505
Heat Stability	300 ±10	°C	ISO 12877
Moisture	≤0.2	%	ASTM D 6980

\*Test Condition: Samples were prepared by injection molding machine (100 Ton).

## Color Sample:

This reference is only a color indication. There may be differences depending on your computer screen and/or printer settings.



## Usage Guidelines:

Typically, usage percent of DANMB 185003 is between 2 -4%. on the polymer base.



Office: No.29, Hoseini Ave, Karimkhan Zand Blvd, Tehran, Iran.  
 Factory: No.1, Sanbol 2 Alley, Zakaria Razi Blvd.,  
 Shams Abad Industrial Town, Tehran



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## Processing Conditions:

### Injection Molding:

Rear Temp (°C)	Center Temp (°C)	Center Temp (°C)	Front Temp (°C)	Nozzle Temp (°C)
190-200	200-210	210-220	210-220	215-225
Melt Temp (°C)	Mold Temp (°C)	Filling Speed		
230	60-80	Slow-Mid		



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