

DANGOTE POLYPROYLENE**DHQ500MG****HOMOPOLYMER**

Dangote Polypropylene DHQ500MG is a nucleated polypropylene homopolymer grade with antistatic properties suitable for very high flow injection molding applications. It has good processability and excellent mechanical properties. The grade complies with the requirements of FDA regulation 21 CFR 177.1520.

APPLICATIONS

- Thin-walled Injection Molded (TWIM) housewares and containers
- Caps and closures

TYPICAL PROPERTIES

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (230°C/2.16 kg)	ASTM D1238	g/10 min	50.0
Density	ASTM D792	g/cc	0.90
Tensile Strength at Yield (50 mm/min.)	ASTM D638	MPa	35
Flexural Modulus (1% Secant)	ASTM D790A	MPa	1600
Notched Izod Impact Strength (23 °C)	ASTM D256	(kJ/m ²)	2.5
Heat Deflection Temperature (455 KPa)	ASTM D648	°C	90
Hardness – Rockwell R	ASTM D785	R Scale	70

* Typical values, not to be taken as specification. For reference only.

TYPICAL PROCESSING CONDITIONS (for reference only)

- Injection Temperature: 220 – 280 °C

STORAGE AND SHELF LIFE

Product should be stored in cool, dry area, protected from UV / direct sunlight. Shelf life of the product is minimum 12 months from the date of production subject to proper handling and storage conditions.

DISCLAIMER

The information provided in this document is intended solely as general guidance for the use, processing, safe handling and storage of the product. This document does not constitute a warranty or guarantee of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose. Users are responsible for determining whether the product is appropriate for their intended use and for ensuring that it is used safely and in compliance with applicable laws and regulations.