

DANGOTE POLYPROYLENE**DHA050SG****HOMOPOLYMER**

Dangote Polypropylene DHA050SG is a polypropylene homopolymer grade for high speed extrusion applications. It exhibits good processability and excellent mechanical properties. The grade is designed for low water carry over. It complies with the requirements of FDA regulation 21 CFR 177.1520.

APPLICATIONS

- High Speed Raffia Tapes for production of woven fabric
- Sacks and bags
- Injection moulding for general purpose articles

TYPICAL PROPERTIES

Property	Test Method	Unit	Typical Value*
Melt Flow Rate (230°C/2.16 kg)	ASTM D1238	g/10 min	5.0
Density	ASTM D792	g/cc	0.90
Tensile Strength at Yield (50 mm/min.)	ASTM D638	MPa	30
Flexural Modulus (1% Secant)	ASTM D790A	MPa	1500
Notched Izod Impact Strength (23 °C)	ASTM D256	kJ/m ²	4
Heat Deflection Temperature (455 KPa)	ASTM D648	°C	100
Hardness – Rockwell R	ASTM D785	R Scale	100

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

TYPICAL PROCESSING CONDITIONS (for reference only)

- Extrusion Temperature: 220 – 280 °C
- Water Bath temperature: 30-50 °C
- Stretching Temperature: 130 – 155 °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.