

PRODUCT NEWS

HD168MO

ENHANCED HOMO PP FOR HOUSEWARE PACKAGING SOLUTIONS



HD168MO – VERSATILE HOMO PP FOR RIGID PACKAGING APPLICATIONS WITH EXCELLENT MECHANICAL PROPERTIES

HD168MO, produced using Borstar® Nucleation Technology (BNT), is a new enhanced medium flow homopolymer polypropylene (PP) solution specifically designed for houseware rigid packaging solutions. It offers excellent strength (light weight products), exceptional chemical resistance and organoleptic performance which makes it a more versatile and widely employed solution for various rigid packaging applications.

HD168MO FEATURES

- Borstar® Nucleation Technology (BNT) ensuring faster crystallisation
- Reduced cooling time
- Defect-free production for flatter parts
- Superior stiffness without compromising impact performance
- Consistent shrinkage and part dimensions – colour independent
- Improved aesthetics – transparency and gloss
- Improved heat resistance with higher HDT

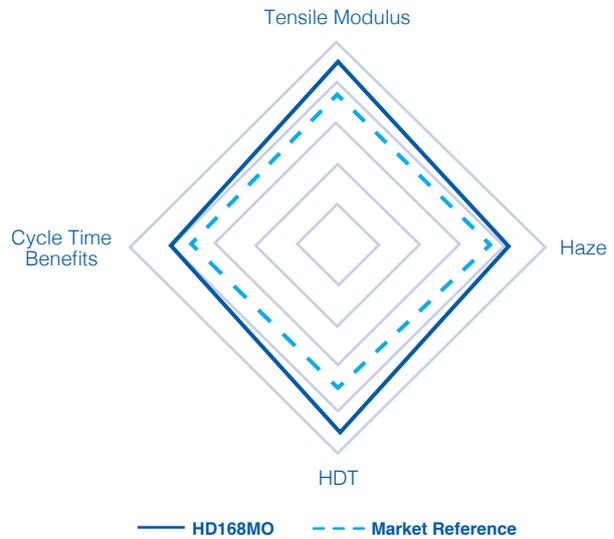
HD168MO SERVES VARIOUS APPLICATIONS

- Houseware – natural and coloured
- Furniture parts
- Customised caps
- General packaging
- Compounds and master batches

TECHNICAL OVERVIEW

HD168MO is a 10 MFI homopolymer polypropylene for high stiffness injection molding application. It is based on proprietary Borstar® Nucleation Technology (BNT) combined with unique Borstar® reactor design.

HD168MO BENCHMARKING



Properties	Unit	HD168MO	Market Reference
Melt Flow Rate MFR (230°C/2.16kg)	g/10min	10	10-12
Tensile Modulus	MPa	1,880	1,500
Charpy Notched	kJ/m ²	3.8	3.5
Haze (2mm)	%	80	90
Gloss (60°/1mm)	–	90	90
HDT (0.45MPa)	°C	107	86-90

About Borouge A joint venture between ADNOC and Borealis, Borouge is a leading petrochemicals company that provides innovative plastics solutions for the energy, infrastructure, mobility, packaging, healthcare and agriculture industries. With 4.5 million tonnes of annual capacity, Borouge has one of the world's largest integrated polyolefin complexes, with the ambition to further expand its current capacity by 2030.

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Borouge Pte Ltd

One George Street #18-01 Singapore 049145
Tel: +65 6275 4100 Fax: +65 6377 1233 Email: info@borouge.com