

PRODUCT NEWS

BorPure™ HJ333MO

ENHANCED HOMO PP FOR HIGH FLOW THIN WALL PACKAGING SOLUTIONS



BorPure™ HJ333MO – OFFERING A NEW LEVEL OF HIGH FLOW HOMO PP

BorPure™ HJ333MO, produced using unique proprietary Borstar® Nucleation Technology (BNT), is an enhanced homopolymer polypropylene (PP) solution specifically designed for applications such as high flow thin wall packaging. It offers enhanced productivity, superior stiffness and impact balance, exceptional aesthetics and organoleptic properties, and good dimensional stability.

BENEFITS

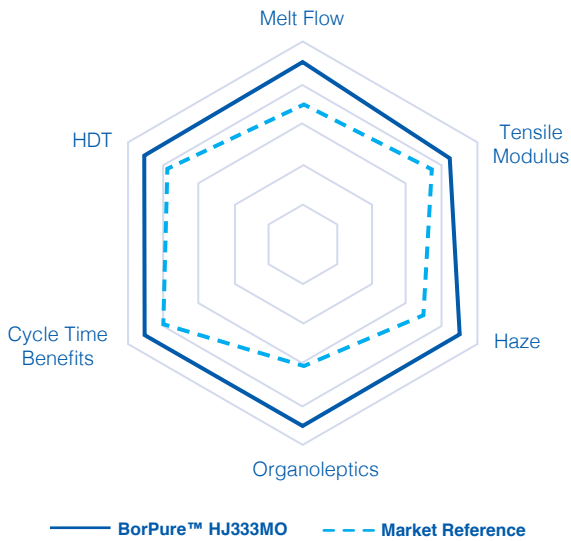
- Smooth and efficient filling of thin wall articles with low melt temperature at melt flow rate (MFR) 75g/10min
- Optimised productivity and energy cost
- Borstar® Nucleation Technology ensuring faster crystallisation for higher productivity
- Superior stiffness and impact resistance balance
- Excellent organoleptic performance
- Excellent aesthetics – transparency & glossiness

BorPure™ HJ333MO SERVES VARIOUS APPLICATIONS

- Thin wall food containers
- Confectionary packaging
- Thin wall containers with complex design
- Large, flat trays
- Media packaging



BorPure™ HJ333MO BENCHMARKING



TECHNICAL OVERVIEW

HJ333MO is a high flow homopolymer polypropylene for thin wall packaging and consists of antistatic additives. It is based on proprietary Borstar® Nucleation Technology (BNT) combined with unique Borstar® reactor design.

Properties	Unit	BorPure™ HJ333MO	Market Reference
Melt Flow Rate MFR (230°C/2.16kg)	g/10min	75	50-60
Tensile Modulus	MPa	1,900	1,700-1,800
Charpy Notched	kJ/m ²	2.0	2.2
Haze (1mm)	%	50	70-80
Gloss (60°/1mm)	–	100	80-90
HDT (0.45MPa)	°C	116	102-108
Taste & Odour	–	1.5	3-4
Yellowness Index	–	-3.5	-1.7

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