

PRODUCT NEWS

RJ768MO

NEW BENCHMARK FOR HIGH FLOW RANDOM COPOLYMERS



RJ768MO – DESIGNED WITH SUPERIOR TRANSPARENCY AND EXCELLENT ORGANOLEPTIC PROPERTIES

RJ768MO, produced using proprietary Borstar® Nucleation Technology (BNT), is a next-generation high flow random copolymer specially designed for enhanced transparency with excellent balance of stiffness and impact properties combined with exceptional organoleptic properties.

RJ768MO is designed for high-speed injection moulding and delivers fast crystallisation for boosted productivity and optimised balance of mechanical properties. RJ768MO can be processed in most standard injection moulding machines, its stiffness and high flow characteristics enable reduction in cycle time.

KEY FEATURES

- Enhanced transparency with low haze value
- Improved aesthetics for thin wall packaging
- Optimised with additives for value-added processing with significant improvement in migration performance



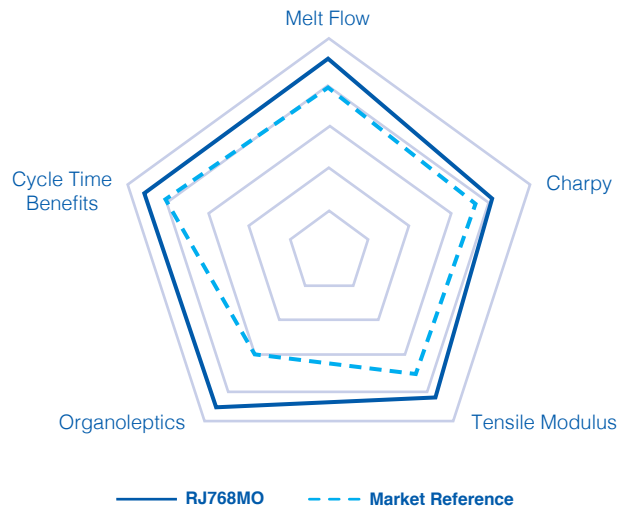
RJ768MO SERVES VARIOUS APPLICATIONS

- Food packaging
- Transparent thin wall containers
- Lids
- Houseware articles
- Media packaging

BENEFITS

- Easy processability
- High productivity
- Excellent optical properties
- Superior organoleptic properties
- Good impact resistance strength

RJ768MO BENCHMARKING



TECHNICAL OVERVIEW

RJ768MO is designed for high-speed injection moulding and contains antistatic agent and clarifier.

Properties	Unit	RJ768MO	Market Reference
Melt Flow Rate MFR (230°C/2.16kg)	g/10min	70	50-70
Tensile Modulus	MPa	1,200	1,100
Charpy Notched	kJ/m ²	5.0	4.5
Haze (2mm)	%	21	27
Taste & Odour	–	1.5	3-4

* Typical properties and data should not be used for specification work

** Antioxidants: They function as chain breaking antioxidants by trapping alkyl peroxyradicals thereby interrupting the chain propagating step. Radicals cause colour change, degradation at high temp. and produce undesired odours.

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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