

Borouge® BJ368MO

Bormod™ BJ368MO is a polypropylene copolymer characterized by good flow, and optimum combination of high stiffness and high impact strength. The material is nucleated with Borstar® Nucleation Technology (BNT). Flow properties, nucleation and good stiffness give potential for cycle time reduction. The material have good antistatic performance and good mould release properties. Applications: Thin wall containers.

Physical Properties	Metric	English	Comments
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Density

0.903 g/cc

0.0326 lb/in³

ISO 1183

Melt Flow

70 g/10 min
@Load 2.16 kg,
Temperature 230 °C

70 g/10 min
@Load 4.76 lb,
Temperature 446 °F

ISO 1133

Mechanical Properties	Metric	English	Comments
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Hardness, Rockwell R

86

86

ISO 2039-2

Tensile Strength, Yield

25.0 MPa

3630 psi

50mm/min; ISO
527-2

Elongation at Yield

4.0 %

4.0 %

50mm/min; ISO
527-2

Tensile Modulus

1.45 GPa

210 ksi

ISO 527-2

Charpy Impact, Notched

0.400 J/cm²
@Temperature -20.0 °C

1.90 ft-lb/in²
@Temperature -4.00 °F

ISO 179/1eA

0.550 J/cm²
@Temperature 23.0 °C

2.62 ft-lb/in²
@Temperature 73.4 °F

ISO 179/1eA

Thermal Properties	Metric	English	Comments
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Deflection Temperature at 0.46 MPa (66 psi)

102 °C

216 °F

ISO 75-2

Processing Properties	Metric	English	Comments
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Melt Temperature

210 - 260 °C

410 - 500 °F

Mold Temperature

10.0 - 30.0 °C

50.0 - 86.0 °F

Hold Pressure

20.0 - 50.0 MPa

2900 - 7250 psi