

BorECO™ BC212IM

Polypropylene Copolymer

Borealis AG

Message:

BorECO BC212IM is a polypropylene block copolymer combining high stiffness and good flowability. Its excellent stabilisation package provides improved thermal stability compared with standard injection moulding grades.

General Information			
Features	Block Copolymer		
	Good Flow		
	Good Thermal Stability		
	High Stiffness		
	Recyclable Material		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (1.00 mm)	1700	MPa	ISO 527-2
Tensile Stress (Yield)	32.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	4.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	3.5	kJ/m²	
23°C	8.0	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Oxidation Induction Time	> 20	min	ISO 11357-6
Injection	Nominal Value	Unit	
Processing (Melt) Temp	230 to 260	°C	
Mold Temperature	10.0 to 30.0	°C	
Injection Rate	Fast		
Holding Pressure	20.0 to 50.0	MPa	

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