

BG055AI

PP

Borouge

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	22	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Tensile Modulus	2000	MPa	ISO 527
Yield stress	35	MPa	ISO 527
Flexural modulus, 23°C	1850	MPa	ISO 178
Charpy impact strength, +23°C	102	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	4	kJ/m ²	ISO 179/1eA
Ball indentation hardness	85	MPa	ISO 2039-1
ASTM Data			
Izod Impact notched, 1/8 in	32	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	18	J/m	ASTM D 256
Temperature	-20	°C	-
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	60	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	108	°C	ISO 75-1/-2
Vicat softening temperature, A	156	°C	ISO 306
Vicat softening temperature, B	95	°C	ISO 306
Other properties			
Density	920	kg/m ³	ISO 1183
Processing Recommendation Injection Molding			
Melt temperature	220 - 260	°C	-
Mold temperature	30 - 50	°C	-
Feed temperature	40 - 80	°C	-
Holding pressure	30 - 60	MPa	-

Characteristics**Processing**

Injection Molding

Features

Thermal Stability, Copolymer

Certifications

Food contact

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa