HIPOL™ B200

Polypropylene Homopolymer

Mitsui Chemicals, Inc.

Message:

HIPOL™ B200 is a Polypropylene Homopolymer (PP Homopolymer) material. It is available in Asia Pacific for blow molding. Important attributes of HIPOL™ B200 are:

Heat Resistant

Homopolymer

Rigid

Typical applications include:

Containers

Engineering/Industrial Parts

Sheet

High Rigidity Homopolymer Uses Containers Industrial Parts Sheet Forms Pellets Processing Method Blow Molding Physical Nominal Value Unit Test Method Density 0.50 g/ron³ ASTM D1505 Met Mass-Flow Rate (MFR) (230°C/2.16 kg) 0.50 g/10 min ASTM D1238 Mechanical Nominal Value Unit Test Method Tensile Strength Vield 37.3 MPa Break 34.3 MPa Tensile Elongation (Break) 500 % ASTM D638 Impact Nominal Value Unit Test Method Notiched Izod Impact Volut Test Method ASTM D648 O.45 MPa, Unannealed 115 C L ASTM D648	General Information			
Homopolymer Homopolymer	Features	High Heat Resistance		
Containers Industrial Parts Sheet		High Rigidity		
Industrial Parts Sheet		Homopolymer		
Industrial Parts Sheet				
Forms Pellets Processing Method Blow Molding Physical Nominal Value Unit Test Method Density 0.50 9/10 min ASTM D1238 ASTM	Uses	Containers		
Forms		Industrial Parts		
Processing Method Blow Molding Physical Nominal Value Unit Test Method Density 0.910 g/cm³ ASTM D1505 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 0.50 g/10 min ASTM D1238 Mechanical Nominal Value Unit Test Method Tensile Strength ASTM D638 ASTM D638 Yield 37.3 MPa Break 34.3 MPa Tensile Elongation (Break) 500 % ASTM D638 Impact Nominal Value Unit Test Method Notched Izod Impact 39 J/m 23°C 69 J/m Thermal Nominal Value Unit Test Method Deflection Temperature Under Load Unit Test Method 0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C		Sheet		
Processing Method Blow Molding Physical Nominal Value Unit Test Method Density 0.910 g/cm³ ASTM D1505 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 0.50 g/10 min ASTM D1238 Mechanical Nominal Value Unit Test Method Tensile Strength ASTM D638 ASTM D638 Yield 37.3 MPa Break 34.3 MPa Tensile Elongation (Break) 500 % ASTM D638 Impact Nominal Value Unit Test Method Notched Izod Impact 39 J/m 23°C 69 J/m Thermal Nominal Value Unit Test Method Deflection Temperature Under Load Unit Test Method 0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C				
Physical Nominal Value Unit Test Method Density 0.910 g/cm³ ASTM D1505 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 0.50 g/10 min ASTM D1238 Mechanical Nominal Value Unit Test Method Tensile Strength 37.3 MPa ASTM D638 Yield 37.3 MPa ASTM D638 Break 34.3 MPa ASTM D638 Impact Nominal Value Unit Test Method Notched Izod Impact ASTM D256 ASTM D256 0°C 39 J/m 23°C 69 J/m Thermal Nominal Value Unit Test Method Deflection Temperature Under Load Unit Test Method 0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C				
Density 0.910 g/cm³ ASTM D1505 Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 0.50 g/10 min ASTM D1238 Mechanical Nominal Value Unit Test Method Tensile Strength ASTM D638 Yield 37.3 MPa Break 34.3 MPa Tensile Elongation (Break) 500 % ASTM D638 Impact Nominal Value Unit Test Method Notched Izod Impact ASTM D256 O°C 39 J/m 23°C 69 J/m Test Method Deflection Temperature Under Load Unit Test Method Deflection Temperature Under Load Unit Test Method 0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C	Processing Method	Blow Molding		
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) 0.50 g/10 min ASTM D1238 Mechanical Nominal Value Unit Test Method Tensile Strength ASTM D638 Yield 37.3 MPa Break 34.3 MPa Tensile Elongation (Break) 500 % ASTM D638 Impact Nominal Value Unit Test Method Notched Izod Impact ASTM D256 ASTM D256 0°C 39 J/m 23°C 69 J/m Thermal Nominal Value Unit Test Method Deflection Temperature Under Load Unit Test Method 0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C	Physical	Nominal Value	Unit	Test Method
kg) 0.50 g/10 min ASTM D1238 Mechanical Nominal Value Unit Test Method Tensile Strength 37.3 MPa ASTM D638 Yield 37.3 MPa ASTM D638 Break 34.3 MPa ASTM D638 Impact Nominal Value Unit Test Method Notched Izod Impact ASTM D256 ASTM D256 0°C 39 J/m ASTM D256 23°C 69 J/m Test Method Deflection Temperature Under Load Unit Test Method 0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C	Density	0.910	g/cm³	ASTM D1505
Mechanical Nominal Value Unit Test Method Tensile Strength 37.3 MPa Yield 37.3 MPa Break 34.3 MPa Tensile Elongation (Break) 500 % ASTM D638 Impact Nominal Value Unit Test Method Notched Izod Impact ASTM D256 ASTM D256 0°C 39 J/m Thermal Nominal Value Unit Test Method Deflection Temperature Under Load Vinit Test Method 0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C	Melt Mass-Flow Rate (MFR) (230°C/2.16			
Tensile Strength ASTM D638 Yield 37.3 MPa Break 34.3 MPa Tensile Elongation (Break) 500 % ASTM D638 Impact Nominal Value Unit Test Method Notched Izod Impact J/m ASTM D256 0°C 39 J/m 23°C 69 J/m Thermal Nominal Value Unit Test Method Deflection Temperature Under Load Unit Test Method 0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C	kg)	0.50	g/10 min	ASTM D1238
Yield 37.3 MPa Break 34.3 MPa Tensile Elongation (Break) 500 % ASTM D638 Impact Nominal Value Unit Test Method Notched Izod Impact ASTM D256 0°C 39 J/m 23°C 69 J/m Thermal Nominal Value Unit Test Method Deflection Temperature Under Load MSTM D648 0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C	Mechanical	Nominal Value	Unit	Test Method
Break 34.3 MPa Tensile Elongation (Break) 500 % ASTM D638 Impact Nominal Value Unit Test Method Notched Izod Impact ASTM D256 0°C 39 J/m 23°C 69 J/m Thermal Nominal Value Unit Test Method Deflection Temperature Under Load 115 °C 1.8 MPa, Unannealed 65.0 °C	Tensile Strength			ASTM D638
Tensile Elongation (Break) 500 % ASTM D638 Impact Nominal Value Unit Test Method Notched Izod Impact ASTM D256 0°C 39 J/m 23°C 69 J/m Thermal Nominal Value Unit Test Method Deflection Temperature Under Load 115 °C 1.8 MPa, Unannealed 65.0 °C	Yield	37.3	MPa	
Impact Nominal Value Unit Test Method Notched Izod Impact ASTM D256 0°C 39 J/m 23°C 69 J/m Thermal Nominal Value Unit Test Method Deflection Temperature Under Load ASTM D648 0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C	Break	34.3	MPa	
Notched Izod Impact ASTM D256 0°C 39 J/m 23°C 69 J/m Thermal Nominal Value Unit Test Method Deflection Temperature Under Load ASTM D648 0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C	Tensile Elongation (Break)	500	%	ASTM D638
0°C 39 J/m 23°C 69 J/m Thermal Nominal Value Unit Test Method Deflection Temperature Under Load ASTM D648 0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C	Impact	Nominal Value	Unit	Test Method
23°C 69 J/m Thermal Nominal Value Unit Test Method Deflection Temperature Under Load ASTM D648 0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C	Notched Izod Impact			ASTM D256
Thermal Nominal Value Unit Test Method Deflection Temperature Under Load ASTM D648 0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C	0°C	39	J/m	
Deflection Temperature Under Load 0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C	23°C	69	J/m	
0.45 MPa, Unannealed 115 °C 1.8 MPa, Unannealed 65.0 °C	Thermal	Nominal Value	Unit	Test Method
1.8 MPa, Unannealed 65.0 °C	Deflection Temperature Under Load			ASTM D648
	0.45 MPa, Unannealed	115	°C	
Vicat Softening Temperature 155 °C ASTM D1525	1.8 MPa, Unannealed	65.0	°C	
	Vicat Softening Temperature	155	°C	ASTM D1525

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