

**HP502H**

PP

Braskem

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	2.2	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
<b>ASTM Data</b>			
Melt Flow Index, MFI	2.2	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Yield stress	34	MPa	ISO 527
Yield strain	12	%	ISO 527
Flexural modulus, 23°C	1400	MPa	ISO 178
Izod notched impact strength, +23°C	3	kJ/m <sup>2</sup>	ISO 180/1A
Rockwell hardness	R 99	-	ISO 2039-2
<b>ASTM Data</b>			
Tensile Strength at Yield	34	MPa	ASTM D 638
Elongation at Yield	12	%	ASTM D 638
Rockwell Hardness	R 99	-	ASTM D 785
Izod Impact notched, 1/8 in	45	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	60	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	85	°C	ISO 75-1/-2
Vicat softening temperature, A	150	°C	ISO 306
<b>ASTM Data</b>			
DTUL @ 66 psi	85	°C	ASTM D 648
<b>Other properties</b>			
Density	905	kg/m <sup>3</sup>	ISO 1183
Density	905	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Blow Molding, Thermoforming

**Regional Availability**

North America, Europe, South and Central America

**Features**

Homopolymer