

HP500D

PP

Braskem

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	0.7	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
ASTM Data			
Melt Flow Index, MFI	0.7	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Yield stress	36	MPa	ISO 527
Yield strain	6	%	ISO 527
Flexural modulus, 23°C	1150	MPa	ISO 178
Izod notched impact strength, +23°C	4.3	kJ/m ²	ISO 180/1A
Rockwell hardness	R 92	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	33	MPa	ASTM D 638
Elongation at Yield	6	%	ASTM D 638
Rockwell Hardness	R 92	-	ASTM D 785
Izod Impact notched, 1/8 in	50	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 0.45 MPa	85	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	90	°C	ASTM D 648
Other properties			
Density	905	kg/m ³	ISO 1183
Density	905	kg/m ³	ASTM D 792

Characteristics**Processing**

Pipe/Tube Extrusion, Profile Extrusion, Sheet Extrusion, Blow Molding

Special Characteristics

High impact or impact modified

Features

Homopolymer

Certifications

Food contact

Applications

Packaging

Regional Availability

North America, Europe, South and Central America