

HP648S

PP

Braskem

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	40	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
ASTM Data			
Melt Flow Index, MFI	40	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Yield stress	34	MPa	ISO 527
Yield strain	9	%	ISO 527
Flexural modulus, 23°C	1550	MPa	ISO 178
Izod notched impact strength, +23°C	2.2	kJ/m ²	ISO 180/1A
Rockwell hardness	R 103	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	37	MPa	ASTM D 638
Elongation at Yield	9	%	ASTM D 638
Rockwell Hardness	R 103	-	ASTM D 785
Izod Impact notched, 1/8 in	20	J/m	ASTM D 256
Thermal properties			
ISO Data			
Temp. of deflection under load, 0.45 MPa	102	°C	ISO 75-1/-2
ASTM Data			
DTUL @ 66 psi	110	°C	ASTM D 648
Other properties			
Density	905	kg/m ³	ISO 1183
Density	905	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Features

Nucleated, Homopolymer

Applications

Packaging

Regional Availability

North America, Europe, South and Central America