

RP 144

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	27	MPa	ISO 527
Yield strain	12	%	ISO 527
Flexural modulus, 23°C	850	MPa	ISO 178
Izod notched impact strength, +23°C	3	kJ/m ²	ISO 180/1A
Rockwell hardness	R 76	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	27	MPa	ASTM D 638
Elongation at Yield	12	%	ASTM D 638
Rockwell Hardness	R 76	-	ASTM D 785
Izod Impact notched, 1/8 in	35	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	20	J/m	ASTM D 256
Temperature	-20	°C	-
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	50	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	86	°C	ISO 75-1/-2
Vicat softening temperature, A	130	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	86	°C	ASTM D 648
DTUL @ 264 psi	50	°C	ASTM D 648
Vicat Temperature	130	°C	ASTM D 1525
Other properties			
Density	902	kg/m ³	ISO 1183
Density	902	kg/m ³	ASTM D 792

Characteristics**Processing**

Other Extrusion, Coating

Features

High Gloss, Weldable, Copolymer, Random Copolymer

Regional Availability

North America, Europe, South and Central America