

CP 180R

PP

Braskem

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	73	g/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
ASTM Data			
Melt Flow Index, MFI	80	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties			
ISO Data			
Yield stress	27	MPa	ISO 527
Yield strain	4	%	ISO 527
Flexural modulus, 23°C	1560	MPa	ISO 178
Charpy notched impact strength, +23°C	4.6	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	4.2	kJ/m ²	ISO 180/1A
Izod notched impact strength	3.4	kJ/m ²	ISO 180/1A
Temperature	-20	°C	-
Rockwell hardness	R 93	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	30	MPa	ASTM D 638
Tensile Strength at Break	30	MPa	ASTM D 638
Rockwell Hardness	R 90	-	ASTM D 785
Izod Impact notched, 1/8 in	45	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	35	J/m	ASTM D 256
Temperature	-20	°C	-
Thermal properties			
ISO Data			
Temp. of deflection under load, 1.80 MPa	60	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	90	°C	ISO 75-1/-2
Vicat softening temperature, A	153	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	125	°C	ASTM D 648
Vicat Temperature	150	°C	ASTM D 1525
Other properties			
Density	900	kg/m ³	ISO 1183
Density	900	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, South and Central America

Features

Copolymer