CP 442XP

PP — Braskem

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	**6**	g/10min	ISO 1133
Temperature	**230**	°C	-
Load	**2.16**	kg	-
ASTM Data			
Melt Flow Index, MFI	**6**	g/10min	ASTM D 1238
Temperature	**230**	°C	-
Load	**2.16**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	**24**	MPa	ISO 527
Yield strain	**7**	%	ISO 527
Flexural modulus, 23°C	**1050**	MPa	ISO 178
Izod notched impact strength, +23°C	**34**	kJ/m²	ISO 180/1A
Izod notched impact strength	**4.4**	kJ/m²	ISO 180/1A
Temperature	**-20**	°C	-
Rockwell hardness	**R 68**	-	ISO 2039-2
ASTM Data			
Tensile Strength at Yield	**24**	MPa	ASTM D 638
Elongation at Yield	**7**	%	ASTM D 638
Rockwell Hardness	**R 79**	-	ASTM D 785
Izod Impact notched, 1/8 in	**170**	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	**50**	J/m	ASTM D 256
Temperature	**-20**	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	**52**	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	**93**	°C	ISO 75-1/-2
Vicat softening temperature, A	**145**	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	**93**	°C	ASTM D 648
DTUL @ 264 psi	**52**	°C	ASTM D 648
Vicat Temperature	**145**	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	**895**	kg/m³	ISO 1183
Density	**895**	kg/m³	ASTM D 792

Characteristics

Processing
Injection Molding

Applications
Automotive

Special Characteristics
High impact or impact modified

Regional Availability
North America, Europe, South and Central America

Features
Copolymer