

PPC5UF0-Natural

PP

Washington Penn Plastic Co., Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	35	g/10min	ISO 1133

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	1200	MPa	ISO 527
Tensile Strength	23	MPa	ISO 527
Yield stress	23	MPa	ISO 527
Yield strain	5	%	ISO 527
Strain at break	235	%	ISO 527
Flexural modulus, 23°C	1000	MPa	ISO 178
Charpy notched impact strength, +23°C	11	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	3.5	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	11	kJ/m ²	ISO 180/1A
Izod notched impact strength	4	kJ/m ²	ISO 180/1A
Temperature	-40	°C	-
Rockwell hardness	R 83	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	55	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	97	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	890	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	70 - 90	°C	-
Pre-drying - Time	1 - 2	h	-
Melt temperature	215 - 235	°C	-
Mold temperature	15 - 60	°C	-
Zone 1	215 - 225	°C	-
Zone 2	215 - 225	°C	-
Zone 3	215 - 230	°C	-
Zone 4	215 - 230	°C	-
Nozzle temperature	215 - 235	°C	-
Injection speed	25 - 64	mm/s	-
Injection pressure	4.1 - 9	MPa	-
Back pressure	0.52 - 0.86	MPa	-
Holding pressure	1 - 6.2	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Natural Color

Features

Copolymer, Impact Copolymer

Certifications

Food approval 10/2011

Applications

Automotive

Regional Availability

North America