

**PRC25TF2HFL-Black**

PP-T20

Washington Penn Plastic Co., Inc.

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

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	2900	MPa	ISO 527
Yield stress	32	MPa	ISO 527
Strain at break	10	%	ISO 527
Flexural modulus, 23°C	2400	MPa	ISO 178
Charpy notched impact strength, +23°C	3	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength, +23°C	3	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength Temperature	2 -40	kJ/m <sup>2</sup> °C	ISO 180/1A -

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	71	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	123	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1060	kg/m <sup>3</sup>	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 - 240	°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 - 240	°C	-
Injection speed	25 - 64	mm/s	-
Injection pressure	4.1 - 9.7	MPa	-
Back pressure	0.52 - 1.4	MPa	-
Holding pressure	1 - 6.2	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Black

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Homopolymer

**Certifications**

Recycled Resin Content

**Applications**

Automotive

**Regional Availability**

North America