

PPH4TF4 - Black

PP-T38

Washington Penn Plastic Co., Inc.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	13	g/10min	ISO 1133

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	32	MPa	ISO 527
Yield strain	5	%	ISO 527
Flexural modulus, 23°C	4100	MPa	ISO 178
Charpy notched impact strength, +23°C	1.5	kJ/m ²	ISO 179/1eA
Izod notched impact strength, +23°C	2.5	kJ/m ²	ISO 180/1A
Izod notched impact strength	2	kJ/m ²	ISO 180/1A
Temperature	-40	°C	-

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	110	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	138	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
Density	1230	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 - 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

Features

Homopolymer

Delivery form

Black

Applications

Automotive

Special Characteristics

U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability

North America