

WPP PP PPH2UFO-UV DX9 Black

Polypropylene Homopolymer
Washington Penn Plastic Co. Inc.

Message:
The properties shown below are typical for a polypropylene homopolymer. This basic product satisfies the needs of many applications.

General Information			
Features	Homopolymer		
	Medium liquidity		
Uses	Application in Automobile Field		
Appearance	Black		
	Available colors		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.905	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	36.0	MPa	ASTM D638
Yield	35.0	MPa	ISO 527-2/50
Flexural Modulus			
-- ²	1600	MPa	ASTM D790
-- ³	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	2.0	kJ/m ²	ISO 179
Multi-Axial Instrumented Impact Energy (23°C)	5.00	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, not annealed	113	°C	ASTM D648
1.8 MPa, not annealed	58.0	°C	ISO 75-2/A
Additional Information			
Tested at 23 ± 2°C (73.4 ± 3.6°F) and 50 ± 5% relative humidity unless otherwise noted			
NOTE			
1.	50 mm/min		
2.	13 mm/min		
3.	2.0 mm/min		

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