

WPP PP PRC25UF0C-Black

Polypropylene Impact Copolymer

Washington Penn Plastic Co. Inc.

Message:

WPP PP PRC25UF0C-Black is a PP Impact Copoly product. It is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. Typical application areas are: automotive industry.

- Features include:
- environmental protection/green
 - high liquidity
 - Copolymer
 - Good stiffness
 - Impact resistance

General Information			
Recycled Content	Yes		
Features	Rigid, good		
	Impact copolymer		
	High liquidity		
	Medium impact resistance		
Uses	Parts under the hood of a car		
	Application in Automobile Field		
Appearance	Black		
	Available colors		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	21.0	MPa	ASTM D638
Flexural Modulus - Tangent ²	900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	100	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	83.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	71.1 - 87.8	°C	
Drying Time	1.0	hr	
Rear Temperature	218 - 224	°C	

Middle Temperature	224 - 229	°C
Front Temperature	229 - 235	°C
Nozzle Temperature	229 - 241	°C
Mold Temperature	15.6 - 48.9	°C
Injection Pressure	4.14 - 8.96	MPa
Holding Pressure	2.41 - 5.17	MPa
Back Pressure	0.517 - 1.03	MPa
Clamp Tonnage	3.4 - 5.5	kN/cm ²
Cushion	3.18 - 6.35	mm

Injection instructions

Injection Speed: 1 to 2.5 in/sZone 4 Temperature: 455 to 465°FHot Runner Temperature: 435 to 465°FHydraulic Oil Temperature: 110 to 125°FShot Capacity vs. Barrel Capacity: 2.5 to 4Screw Decompression: 0.1 to 0.25 in

NOTE

1. 50 mm/min
2. 1.3 mm/min

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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