

WPP PP WPP311D

Polypropylene Impact Copolymer

Washington Penn Plastic Co. Inc.

Message:

The properties below are typical for a fractional melt flow copolymer polypropylene. WPP311D offers a good balance of stiffness and impact strength useful in extrusion applications.

General Information			
Features	Good Melt Strength		
	Good Stiffness		
	High Flow		
	Impact Copolymer		
	Low Temperature Impact Resistance		
Uses	Blown Containers		
	Sheet		
	Tubing		
Agency Ratings	FDA Unspecified Rating		
	UL Unspecified Rating		
Appearance	Colors Available		
Forms	Pellets		
Processing Method	Extrusion		
	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.45	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	26.2	MPa	ASTM D638
Tensile Elongation ² (Yield)	12	%	ASTM D638
Flexural Modulus - 1% Secant	1140	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C	96	J/m	
23°C	No Break		
Gardner Impact (-30°C)	33.7	J	ASTM D5420
NOTE			
1.	51 mm/min		

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