

Braskem PP FP450WV

Polypropylene Homopolymer

Braskem America Inc.

Message:

Sub-group:
Homopolymer Polypropylene
Description:
Excellent Processability, Nucleated.
Applications:
Suggested Uses Include Fast-Cycle Injection Molding and Compounding
Process:
Injection Molding.

General Information			
Additive	Nucleating Agent		
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Processability		
	Homopolymer		
	Nucleated		
Uses	Compounding		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Compounding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	45	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, Injection Molded)	37.9	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	8.3	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	1650	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	16	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method


Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	111	°C	ASTM D648
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	1.3 mm/min		

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