

# Braskem PP D180A2

Polypropylene Homopolymer

Braskem America Inc.

Message:

Sub-group

Homopolymer

Description

Excellent melt stability

Applications

Suggested uses include BCF mulit-filaments, high tenacity continuous filament yarn, fine denier staple fibers

General Information			
Features	Food Contact Acceptable		
	High Melt Stability		
	Homopolymer		
Uses	BCF Yarn		
	Fibers		
	Filaments		
	High Tenacity Flat Yarn		
	Staple Fibers		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, Injection Molded)	35.2	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, Injection Molded)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (Injection Molded)	1520	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	37	J/m	ASTM D256A
Additional Information	Nominal Value	Unit	Test Method
Elongation of Fibers <sup>4</sup>	93	%	ASTM D2256
Takeup Roll Speed	33.3	m/sec	Internal Method
Tenacity of Fibers <sup>5</sup>	2.90	g/denier	ASTM D2256

NOTE	
1.	51 mm/min
2.	51 mm/min
3.	1.3 mm/min
4.	3.3 draw ratio, 1,250 m/min roll speed, 225°C spin temperature, D1000/68
5.	3.3 draw ratio, 1,250 m/min roll speed, 225°C spin temperature, D1000/68

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