

Braskem PP D180M

Polypropylene Homopolymer

Braskem America Inc.

Message:

- Sub-group
- Homopolymer
- Description
- Low Gas Fade
- Applications
- Suggested Uses Include BCF Multi-Filaments, High Tenacity Continuous Filament Yarn, Fine Denier Staple Fibers

General Information			
Features	Food Contact Acceptable		
	Gas-fading Resistant		
	Homopolymer		
Uses	BCF Yarn		
	Fibers		
	Filaments		
	High Tenacity Flat Yarn		
	Nonwovens		
	Staple Fibers		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Fiber (Spinning) Extrusion		
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 ¹ (Yield, Injection Molded)	35.2	MPa	ASTM D638
Tensile Elongation ² (Yield, Injection Molded)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (Injection Molded)	1310	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	27	J/m	ASTM D256A
Additional Information	Nominal Value	Unit	Test Method
Elongation of Fibers ⁴	93	%	ASTM D2256

Takeup Roll Speed	33.3	m/sec	Internal Method
Tenacity of Fibers ⁵	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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