

Braskem America Inc. - Polypropylene Homopolymer

Wednesday, October 9, 2019

General Information	General	Information
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## Product Description

Excellent melt stability

Applications

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

General				
Material Status	Commercial: Active			
Availability	North America			
Features	High Melt Stability			
Uses	<ul><li>BCF Multifilaments</li><li>Fibers</li></ul>	<ul><li>Filaments</li><li>Staple Fibers</li></ul>	• Yarn	
Agency Ratings	• FDA 21 CFR 177.1520			

ASTM & ISO Properties <sup>1</sup>				
Physical	Nominal Value	Unit	Test Method	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	18	g/10 min	ASTM D1238	
Mechanical	Nominal Value	Unit	Test Method	
Tensile Strength <sup>2</sup> (Yield)	35.2	MPa	ASTM D638	
Tensile Elongation <sup>2</sup> (Yield)	9.0	%	ASTM D638	
Flexural Modulus - 1% Secant <sup>3</sup>	1520	MPa	ASTM D790A	
Impact	Nominal Value	Unit	Test Method	
Notched Izod Impact (23°C)	37	J/m	ASTM D256A	
Hardness	Nominal Value	Unit	Test Method	
Rockwell Hardness (R-Scale)	104		ASTM D785	
Additional Information	Nominal Value	Unit	Test Method	
Elongation of Fibers <sup>4</sup>	93	%	ASTM D2256	
Suggested Takeup Roll Speed	33.3	m/sec	Internal Method	
Tenacity of Fibers <sup>4</sup>	2.90	g/denier	ASTM D2256	

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> 51 mm/min

<sup>3</sup> 1.3 mm/min

<sup>4</sup> 3.3 draw ratio, 1250 m/min roll speed, 225°C spin temperature



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