



Braskem PP D180M

Braskem America Inc. - Polypropylene Homopolymer

Wednesday, October 9, 2019

General Information

Product Description

Low gas fade

Applications

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

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Gas-fading Resistant
Uses	• BCF Multifilaments • Filaments • Staple Fibers • Yarn
Agency Ratings	• FDA 21 CFR 177.1520

ASTM & ISO Properties¹

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 ² (Yield)	35.2	MPa	ASTM D638
Tensile Elongation ² (Yield)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant ³	1310	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	27	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 ⁴	93	%	ASTM D2256
Suggested Takeup Roll Speed	33.3	m/sec	Internal Method
Tenacity of Fibers ⁴	2.90	g/denier	ASTM D2256

Notes

¹ Typical properties: these are not to be construed as specifications.

² 51 mm/min

³ 1.3 mm/min

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



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