



Braskem PP CP360H

Braskem America Inc. - Polypropylene Homopolymer

Wednesday, October 9, 2019

General Information

Product Description

Narrow MWD, low smoke / condensate

Applications

Suggested uses include fine denier spunbond nonwovens, high-speed spinning - continuous filament yarn

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Low Smoke Emission • Narrow Molecular Weight Distribution
Uses	• Nonwovens • Spunbond Nonwovens • Yarn
Agency Ratings	• FDA 21 CFR 177.1520
Processing Method	• Fiber (Spinning) Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	34	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield)	32.4	MPa	ASTM D638
Tensile Elongation ² (Yield)	11	%	ASTM D638
Flexural Modulus - 1% Secant ³	1170	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	21	J/m	ASTM D256A
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	101		ASTM D785
Additional Information	Nominal Value	Unit	Test Method
Elongation of Fibers ⁴	120	%	ASTM D2256
Suggested Takeup Roll Speed	66.7	m/sec	Internal Method
Tenacity of Fibers ⁴	2.30	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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