

Braskem America Inc. - Polypropylene Homopolymer

Wednesday, October 9, 2019

General Information

Product Description

Narrow MWD, low smoke / condensate

Applications

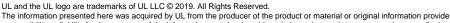
Suggested uses include spunbond nonwovens, high-speed fiber spinning - continuous filament yarns, staple fiber

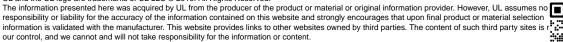
General				
Material Status	Commercial: Active			
Availability	 North America 			
Features	Low Smoke Emission	 Narrow Molecular Weight Distribution 		
Uses	FibersNonwovens	Spunbond NonwovensStaple Fibers	• Yarn	
Agency Ratings	• FDA 21 CFR 177.1520			
Processing Method	 Fiber (Spinning) Extrusion 			

ASTM & ISO Properties ¹					
Physical	Nominal Value	Unit	Test Method		
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	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		
Additional Information	Nominal Value	Unit	Test Method		
Elongation of Fibers ³	120	%	ASTM D2256		
Suggested Takeup Roll Speed	66.7	m/sec	Internal Method		
Tenacity of Fibers ³	2.30	g/denier	ASTM D2256		

Notes











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

² 51 mm/min

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