

Braskem America Inc. - Polypropylene Homopolymer

Wednesday, October 9, 2019

General Information

Product Description

Injection molding, general purpose, low water carryover

Applications

Suggested uses include tape, slit-film fibers, containers, closures, housewares

General				
Material Status	Commercial: Active			
Availability	 North America 			
Features	 General Purpose 	 Low Water Carryover 		
	 Closures 	General Purpose	Slit-Film Fiber	
Uses	 Containers 	 Hi-speed Slit-film Fibers 	Tape	
	Fibers	 Household Goods 	• Tape	
Agency Ratings	• FDA 21 CFR 177.1520			
Processing Method	Injection Molding			

ASTM & ISO Properties ¹					
Physical	Nominal Value	Unit	Test Method		
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.6	g/10 min	ASTM D1238		
Mechanical	Nominal Value	Unit	Test Method		
Tensile Strength ² (Yield)	37.2	MPa	ASTM D638		
Tensile Elongation ² (Yield)	10	%	ASTM D638		
Flexural Modulus - 1% Secant ³	1650	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)	103		ASTM D785		
Additional Information	Nominal Value	Unit	Test Method		
Elongation of Fibers ⁴	36	%	ASTM D2256		
Tenacity of Fibers ⁴	4.50	g/denier	ASTM D2256		

Notes



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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