

# Braskem America Inc. - Polypropylene Homopolymer

Wednesday, October 9, 2019

## **General Information**

#### **Product Description**

Good mold release, nucleated, contains antistat, excellent rigidity and hardness

### Applications

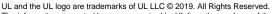
Suggested uses include housewares, caps and closures, fast-cycle injection molding

General			
Material Status	Commercial: Active		
Availability	North America		
Additive	<ul> <li>Antistatic</li> </ul>	<ul> <li>Nucleating Agent</li> </ul>	
Features	Antistatic	<ul> <li>Good Hardness</li> </ul>	<ul> <li>Good Rigidity</li> </ul>
	<ul> <li>Fast Molding Cycle</li> </ul>	<ul> <li>Good Mold Release</li> </ul>	<ul> <li>Nucleated</li> </ul>
Uses	• Caps	<ul> <li>Closures</li> </ul>	<ul> <li>Household Goods</li> </ul>
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)	20	g/10 min	ASTM D1238		
Mechanical	Nominal Value	Unit	Test Method		
Tensile Strength <sup>2</sup> (Yield)	38.6	MPa	ASTM D638		
Tensile Elongation <sup>2</sup> (Yield)	8.0	%	ASTM D638		
Flexural Modulus - 1% Secant <sup>3</sup>	1760	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		
Thermal	Nominal Value	Unit	Test Method		
Deflection Temperature Under Load			ASTM D648		
0.45 MPa, Unannealed	125	°C			

#### **Notes**





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

<sup>&</sup>lt;sup>2</sup> 51 mm/min

<sup>&</sup>lt;sup>3</sup> 1.3 mm/min