Braskem PP D180A2

Braskem America Inc. - Polypropylene Homopolymer

Wednesday, October 9, 2019

General Information

Product Description

Excellent melt stability

Applications

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

General			
Material Status	• Commercial: Active		
Availability	• North America		
Features	• High Melt Stability		
Uses	• BCF Multifilaments • Fibers	• Filaments • Staple Fibers	• Yarn
Agency Ratings	• FDA 21 CFR 177.1520		

ASTM & ISO Properties [1]

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]	1520	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
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