Braskem

Data Sheet
Review 5 (September/12)

Polypropylene PH 0952

Sub-group:
Homopolymer

Description:
PH 0952 is a medium melt flow rate homopolymer, with slip and antiblocking agents. This product is designed for technical films segment and packaging for cast and blown film extrusion. This product features excellent optical properties and good processability.

Applications:
Coil for automatic packaging; Food and textile packaging; Films for lamination.

Processing:
Blown Film Extrusion
Cast Film Extrusion

Control Property:

	ISO Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	1133	g/10 min	8.0

Typical Properties[a]:

	ISO Method	Units	Values
Density	1183-1	g/cm³	0.905
Flexural Modulus – 1% secant	178	MPa	1300
Tensile Strength at Yield	527-1	MPa	35
Tensile Elongation at Yield	527-1	%	11
Rockwell Hardness (R Scale)	2039-2	-	90
Notched Izod Impact Strength at 23°C	180	kJ/m²	3.7
Deflection Temperature under Load at 0.455 MPa	75-1/75-2	°C	95
Deflection Temperature under Load at 1.820 MPa	75-1/75-2	°C	55
Vicat Softening Temperature at 10 N	306	°C	149

a) Injection molded specimen according to ISO 294.

Final Remarks:
1. This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by FDA – Food and Drug Administration in force on the date of publication of this specification. The additives present are covered in appropriate regulation by FDA.
2. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
3. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
4. In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
5. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS Registry number: 9003-07-0.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.
7. Braskem does not recommend this grade for packages, parts or any kind of product manufacture that will be used for storage or contact with solution that will have internal contact with human body.

Film Propertiesb:

	ASTM Method	Units	Values
Secant Modulus 1% (MD/TD)	D 882	MPa	530/550
Tensile Strength at Yield (MD/TD)	D 882	MPa	22/22
Elongation at Yield (MD/TD)	D 882	%	12/10
Haze	D 1003	%	2.4
Gloss 45°	D 2457	-	93
Sealing Initial Temperature	Braskem Method	ºC	115

b) 30 ·m thickness film, processed in a 50 mm screw diameter extruder with blow up ratio of 1.3:1 (MD=Machine Direction and TD=Transversal Direction)

Final Remarks:

8. This resin meets the requirements for olefin polymers as defined in 21 CFR, section 177.1520 issued by FDA – Food and Drug Administration in force on the date of publication of this specification. The additives present are covered in appropriate regulation by FDA.
9. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
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14. Braskem does not recommend this grade for packages, parts or any kind of product manufacture that will be used for storage or contact with solution that will have internal contact with human body.
15. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.