Braskem

Data Sheet
Review 8 (April/15)

Polypropylene H 125

Sub-group:
Homopolymer

Description:
H 125 is a high melt flow rate homopolymer designed for spunbond nonwoven production. This resin features an excellent processability, allowing increased line speed or air pressure, as well as gains of mechanical properties. The narrow molecular weight distribution, special stability and tight gel control, provide its unique performance.

Applications:
High-performance spunbond nonwovens for hygiene disposables and hospital products; Nonwovens for furniture and decoration; Low-title and/or high-speed spinning multifilaments.

Processing:
Fiber Extrusion

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	38

Typical Properties[a]:

	ASTM Method	Units	Values
Density	D 792	g/cm³	0.905
Flexural Modulus – 1% secant	D 790	MPa	1300
Tensile Strength at Yield	D 638	MPa	35
Tensile Elongation at Yield	D 638	%	10
Rockwell Hardness (R Scale)	D 785	-	103
Notched Izod Impact Strength at 23°C	D 256	J/m	25
Deflection Temperature under Load at 0.455 MPa	D 648	°C	95
Deflection Temperature under Load at 1.820 MPa	D 648	°C	55
Vicat Softening Temperature at 10 N	D 1525	°C	154

a) Injection molded specimen according to ASTM D 4101.

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.
8. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.