


Datasheet
 Review 2 (Jan / 18)

Polypropylene H 401

Description:

Homopolymer

H 401 is a medium melt flow rate homopolymer polypropylene, additived with slip and antiblocking agents. Designed specially for cast film. This product features good impact strength, excellent transparency and gloss, good slipping and outstanding weldability.

Applications:

Roll films for automatic packaging, Textile Applications

Processes:

Cast Film Extrusion

Control Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	7.5

Typical Properties^a

Feature	Method	Units	Values
Density	D 792	g/cm ³	0.905
Flexural Modulus - 1% Secant	D 790	MPa	1400
Tensile Strength at Yield	D 638	MPa	33
Tensile Elongation at Yield	D 638	%	13
Rockwell Hardness (R Scale)	D 785	-	98
Notched Izod Impact Strength at 23°C	D 256	J/m	30
Deflection Temperature under Load at 0.455 MPa	D 648	°C	92
Deflection Temperature under Load at 1.820 MPa	D 648	°C	52
Vicat Softening Temperature at 10 N	D 1525	°C	148

a) Injection molded specimen according to ASTM D 4101.

Film Properties

Feature	Method	Units	Values
Secant Modulus 1% (MD/TD)	D 882	MPa	570/580
Tensile Strength at Yield (MD/TD)	D 882	MPa	22/21
Elongation at Yield (MD/TD)	D 882	%	12/11
Haze	D 1003	%	1.8
Gloss 45°	D 2457	-	99
Sealing Initial Temperature	Braskem Method	°C	115

3) 30 µm 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

- 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.
- In some applications, Braskem has developed tailor-made resins to reach specific requirements.
- In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
- For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS. CAS: 9003-07-0.
- For regulatory information concerning the product, please consult the Regulatory Information Sheet or contact our Technical Assistance Area.
- The mentioned values in this report can be changed at any moment without Braskem previous communication.