

Polypropylene H 105

Sub-group:

Homopolymer

Description:

H 105 is a high melt flow rate homopolymer with high transparency. Designed for use on thin-walled injection moulding parts with high output. This product exhibits excellent processability and very high stiffness.

Applications:

High transparency packaging for food and cosmetics; Thin-walled household appliances; Thin-walled parts and easy mould filling.

Processing:

Injection Moulding

Control Property:

	ISO Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	1133	g/10 min	40

Typical Properties^a:

	ISO Method	Units	Values
Density	1183-1	g/cm ³	0.905
Flexural Modulus – 1% secant	178	MPa	1600
Tensile Strength at Yield	527-1	MPa	36
Tensile Elongation at Yield	527-1	%	11
Rockwell Hardness (R Scale)	2039-2	-	103
Notched Izod Impact Strength at 23°C	180	kJ/m ²	2,1
Deflection Temperature under Load at 0.455 MPa	75-1/75-2	°C	113
Deflection Temperature under Load at 1.820 MPa	75-1/75-2	°C	59
Vicat Softening Temperature at 10 N	306	°C	153
Haze ^b	13468-1	%	28

a) Injection molded specimen according to ISO 294. b) Specimen thickness: 1 mm.

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.

