

Polypropylene HP405U

Sub-group:

Homopolymer

Description:

HP405U is a very high fluidity homopolymer with controlled rheology.

Applications:

Injection Molding of thin-walled parts.

Processing:

Injection Molding

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230/2.16)	D 1238	g/10 min	80

Typical Properties^a:

	ASTM Method	Units	Values
Density	D 792	g/cm ³	0.905
Flexural Modulus – 1% secant	D 790	GPa	1.3
Tensile Strength at Yield	D 638	MPa	33
Tensile Elongation at Yield	D 638	%	10
Hardness Shore D	D 2240	-	72
Notched Izod Impact Strength at 23°C	D 256	J/m	15
Deflection Temperature under Load at 0.455 MPa	D 648	°C	95
Vicat Softening Temperature at 10 N	D 1525	°C	155

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. Braskem polyolefin products do not have additives with metals or other substances on purpose of oxi-degradation. These additives and the decomposition and disintegration of polyolefins caused by oxi-degradation phenomenon can cause environmental pollution, decrease the package performance and increase migration of package constituent to food, compromising resin approval regarding the requirements of ANVISA Resolution 105/99. The use of these additives with Braskem polyolefin products implies immediate loss of performance guarantee described in this data sheet.
9. This resin does not contain the substance Bisphenol A (BPA, CAS # No. 80-05-7) in its composition.