Braskem

Data Sheet
Review 15 (April/15)

Polypropylene CP 741

Sub-group:
Heterophasic Copolymer

Description:
CP 741 is a low melt flow rate heterophasic copolymer. It has broad molecular weight distribution and general purpose additive package. CP 741 presents low odor/taste transfer, high melt strength, good processability and excellent impact strength even at low temperatures.

Applications:
Thermoformed packages with high impact strength; Blown packages and technical parts in general; Sheet extrusion with high impact resistance; Corrugated pipe extrusion for water drainage of sinks or washbasins.

Processing:
Thermoforming
Blow Molding Extrusion

Control Property:

	ASTM Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	0.80

Typical Properties[a]:

	ASTM Method	Units	Values
Density	D 792	g/cm³	0.895
Flexural Modulus – 1% secant	D 790	MPa	900
Tensile Strength at Yield	D 638	MPa	24
Tensile Elongation at Yield	D 638	%	13
Rockwell Hardness (R Scale)	D 785	-	59
Notched Izod Impact Strength at 23°C	D 256	J/m	NB[b]
Notched Izod Impact Strength at -20°C	D 256	J/m	50
Deflection Temperature under Load at 1.820 MPa	D 648	°C	50
Deflection Temperature under Load at 0.455 MPa	D 648	°C	90
Vicat Softening Temperature at 10 N	D 1525	°C	147

a) Injection molded specimen according to ASTM D 4101. b) NB: non-break.

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: 9010-79-1
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.