

Polypropylene PT400NAQ

Description:

Homopolymer

PT400NAQ is a high melt flow rate homopolymer with high transparency. Designed for use on thinwalled injection moulding parts with high output. This product exhibits excellent processability and very high stiffness.

Applications:

toys, Transparent packaging for food and cosmetics , Thin wall injection molding , Thin wall houseware

Processes:

Injection molding.

Control Properties

Characteristic	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	40

Typical Properties^a

Characteristic	Method	Units	Values
Density	D 792	g/cm ³	0.905
Flexural Modulus - 1% Secant	D 790	MPa	1700
Tensile Strength at Yield	D 638	MPa	39
Tensile Elongation at Yield	D 638	%	9
Rockwell Hardness (R Scale)	D 785	-	100
Notched Izod Impact Strength at 23°C	D 256	J/m	27
Deflection Temperature under Load at 0.455 MPa	D 648	°C	117
Deflection Temperature under Load at 1.820 MPa	D 648	°C	65
Vicat Softening Temperature at 10 N	D 1525	°C	154
Haze	D 1003	%	24

a) Injection molded specimen according to ASTM D 4101. NB = No Break.

Final Remarks

1. 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.
2. In some applications, Braskem has developed tailor-made resins to reach specific requirements.
3. In case of doubt regarding utilization, or for other applications, please contact our Technical Assistance.
4. For information about safety, handling, individual protection, first aids and waste disposal, please see MSDS.
5. For regulatory information concerning the product, please consult the Regulatory Information Sheet or contact our Technical Assistance Area.
6. The mentioned values in this report can be changed at any moment without Braskem previous communication.

