Braskem

Datasheet

Polypropylene RT400NAQ

Description:

Random copolymer

RT400NAQ is a high melt flow rate random copolymer designed for injection molding. This product offers outstanding transparency, very good stiffness/impact strength balance and excellent processability.

Applications:

Thin wall injection molded high clarity parts

Processes:

Injection molding

Control Properties

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

Typical Properties

Feature	Method	Units	Values
Density	D 792	g/cm³	0.902
Flexural Modulus - 1% Secant	D 790	MPa	1050
Tensile Strength at Yield	D 638	MPa	30
Tensile Elongation at Yield	D 638	%	14
Rockwell Hardness (R Scale)	D 785	-	83
Notched Izod Impact Strength at 23°C	D 256	J/m	40
Notched Izod Impact Strength at -20°C	D 256	J/m	20
Deflection Temperature under Load at 0.455 MPa	D 648	°C	83
Deflection Temperature under Load at 1.820 MPa	D 648	°C	49
Vicat Softening Temperature at 10 N	D 1525	°C	127
Haze	D 1003	%	18

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

Final observations

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.