

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.

