


Datasheet

MAY/2021

Polypropylene C705-44NAHP
Description:

BRASKEM C705-44NAHP Polypropylene Resin is a high performance impact copolymer developed for thin wall injection molding. BRASKEM C705-44NAHP Polypropylene Resin is a high melt flow rate impact copolymer featuring improved mechanical properties balance combining superior stiffness, good impact resistance and excellent antistatic properties.

Applications:

Thin wall containers, Caps & Closures, Consumer Goods - Houseware

Processes:

Thin Wall Injection Molding

Control Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	D 1238	g/10 min	44

Typical Properties^a

Feature	Method	Units	Values
Density	D 792	g/cm ³	0.900
Flexural Modulus - 1% Secant	D 790	MPa	1500
Tensile Strength at Yield	D 638	MPa	28
Tensile Elongation at Yield	D 638	%	5
Notched Charpy Impact Strength at 23°C	D 6110	J/m	7
Notched Charpy Impact Strength at 0°C	D 6110	J/m	5
Notched Charpy Impact Strength at -20°C	D 6110	J/m	4
Deflection Temperature under Load at 0.455 MPa	D 648	°C	100
Vicat Softening Temperature at 10 N	D 1525	°C	152

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