

Polypropylene H105-03NA

Subgroup:

Homopolymer

Description:

BRASKEM H105-03NA Polypropylene Resin is a homopolymer developed for sheet extrusion and subsequent thermoforming. BRASKEM H105-03NA Polypropylene Resin is used in applications requiring excellent optical performance (clarity, gloss), excellent stiffness/impact balance and organoleptic properties. The grade contains an antistatic agent.

Applications:

- Vending cups, dairy pots, trays for biscuits, chocolates and fruits
- Blister packaging

Process:

- Sheet extrusion and subsequent thermoforming

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.900 g/cm ³	0.900 g/cm ³	ISO 1183
Melt Mass-Flow Rate (230°C/2.16 kg)	3.2 g/10 min	3.2 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, Injection Molded)	5080 psi	35 MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	11 %	11 %	ISO 527-2
Flexural Modulus (Injection Molded)	232000 psi	1600 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/eA
73°F (23°C), Injection Molded	2.6 ft·lb/in ²	5.5 kJ/m ²	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			ISO 75-2/B *
66 psi (0.45 MPa), Unannealed	248 °F	120 °C	
Vicat Softening Temperature	313 °F	156 °C	ISO 306/A *

Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Gloss (45°, Injection Molded)	63	63	ASTM D2457
Haze (Injection Molded)	35 %	35 %	ASTM D1003

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

* Injection Molded

