Braskem

Datasheet
May/2021

Polypropylene HSP250NA

Description:

BRASKEM HSP250NA Polypropylene is a homopolymer resin developed for injection molding. BRASKEM HSP250NA Polypropylene resin has a very good balance of physical properties and excellent organoleptics. BRASKEM HSP250NA Polypropylene resin is nucleated and contains a very efficient antistatic package offering good transparency when required. It is designed and formulated to allow for very easy processing, short cycle times, low warpage and good part dimensional stability.

Processing conditions:

BRASKEM HSP250NA is easy to process with common extrusionequipment with conditions depending on the type ofinjection molding conversion technology applied. Recommended melt temperature range for injection molding from 210 to 260°C; mold temperature: 20 to 50°C; holding pressure: 200 to 500 bar.

Additivation:

Nucleating Agent, Antistatic Agent

Applications:

Caps & Closures, Cosmetic packaging, Houseware, Home appliances

Processes:

Injection molding.

Control Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10 min	25

Typical Properties[a]

Feature	Method	Units	Values
Density	1183-1	g/cm³	0.900
Flexural Modulus	178	MPa	1650
Tensile Strength at Yield	527-1	MPa	36
Tensile Elongation at Yield	527-1	%	8
Notched Charpy Impact Strength at 23°C	179	kJ/m²	3
Deflection Temperature under Load at 0.455 MPa	75-1/75-2	°C	108
Vicat Softening Temperature at 10 N	306	°C	156

a) Injection molded specimen according to ISO 294.

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1. **Storage:**
   Recommended storage is a cool, dry place protected from direct sunlight for maximum of 24 months after production.

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B.V..

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