



Datasheet

Polypropylene C123-01N**Description:**

BRASKEM C123-01N Polypropylene Resin is a high performance impact copolymer for extrusion applications. The polymer offers an excellent combination of high stiffness and toughness with good processability.

Additivation:

Nucleating Agent

Applications:

Automotive, Corrugated Board, Compounding, Rigid Packaging - Thermoforming, Crates, Container and Material Handling, Pipes, Sheets and Profiles, Rigid Packaging - Blow Molding

Processes:

Calendering, Sheets extrusion, Extrusion Thermoforming, Extrusion Blow Molding, Pipes extrusion., Blown film extrusion.

Control Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10 min	1.2

Typical Properties^a

Feature	Method	Units	Values
Density	1183-1	g/cm ³	0.900
Flexural Modulus	178	MPa	1350
Tensile Strength at Yield	527-1	MPa	27
Tensile Elongation at Yield	527-1	%	7
Notched Charpy Impact Strength at 23°C	179	kJ/m ²	15
Notched Charpy Impact Strength at 0°C	179	kJ/m ²	7.5
Notched Charpy Impact Strength at -20°C	179	kJ/m ²	6
Deflection Temperature under Load at 0.455 MPa	75-1/75-2	°C	90
Vicat Softening Temperature at 10 N	306	°C	154

a) Injection molded specimen according to ISO 294.