



Data Sheet DH362.01

Developmental Polypropylene **DH362.01**

Sub-group:

Homopolymer

Description:

BRASKEM Developmental DH362.01 Polypropylene Resin is a homopolymer developed for high output, fast running cast film lines. It is mostly used in the production of transparent films with a thickness range of 15-150µm. The resin contains Oleamide as slip additive. BRASKEM Developmental DH362.01 Polypropylene Resin has an optimized rheology for fast extrusion capability and allows for easy film winding and good printability after corona treatment. Films based on BRASKEM Developmental DH362.01 Polypropylene Resin exhibit excellent optical properties, notably transparency and gloss.

Applications:

- Food packaging (bakery, snacks)
- Textile packaging (shirts, hosiery, blankets, sweaters)
- Printed materials (books, magazines, journals, stationary)

Process:

Cast film extrusion.

Properties:

Physical Properties ^{a)}	Nominal Value (English)	Nominal Value (SI)	Test Method
Density (23°C)	0.900 g/cm ³	0.900 g/cm ³	ISO 1183
Melt Mass-Flow Rate (230°C/2.16 kg)	9.5 g/10 min	9.5 g/10 min	ISO 1133
Flexural Modulus	195000 psi	1350 MPa	ISO 178
Tensile Modulus	195750 psi	1400MPa	ISO 527-2
Tensile Stress at Yield	4785 psi	33 MPa	ISO 527-2
Tensile Strain at Yield	10 %	10 %	ISO 527-2
Charpy Impact Strength, notched (23°C)	1.9 ft·lb/in ²	4 kJ/m ²	ISO 179/1eA
Heat Deflection Temperature (0.45 MPa)	309 °F	94 °C	ISO 75-2/B
Vicat Softening Temperature (10N)	201 °F	154 °C	ISO 306/A

^{a)} These are typical properties from injection molding specimen according to ISO 294 only and are not to be construed as specifications. Users should confirm results by their own tests.

Film Properties ^{b)}	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength MD/TD	11700/7400 psi	80/50 MPa	ISO 527-3
Dart Drop Impact Strength	0.25 lb	115 g	ISO7765-1
Haze	<3 %	<3 %	ASTM D1003

^{b)} Measured on cast film at a thickness of 50 µm

Processing conditions:

BRASKEM DH3262.01 is easy to process with common extrusion and injection molding equipment with conditions depending on the type of extrusion or injection molding conversion technology applied. Recommended melt temperature range for injection molding from 210 to 260°C and in extrusion from 200 to 230°C.

**Data Sheet
DH362.01****Storage:**

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

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