


Datasheet
May/2021

Developmental Polypropylene DR352.01

Description:

BRASKEM DR352.01 Developmental Polypropylene Resin is a controlled rheology modified Random Copolymer developed for the manufacturing of cast films for high quality packaging applications. BRASKEM DR352.01 Polypropylene Resin does not contain slip and antiblock additive.

Processing conditions:

BRASKEM DR352.01 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.

Applications:

Food packaging, Films for lamination, Textile Applications, General Injection Molding

Processes:

Cast Film Extrusion., Injection molding.

Control Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10 min	8

Typical Properties^a

Feature	Method	Units	Values
Density	1183-1	g/cm ³	0.900
Flexural Modulus	178	MPa	700
Tensile Strength at Yield	527-1	MPa	21.5
Tensile Elongation at Yield	527-1	%	13
Notched Charpy Impact Strength at 23°C	179	kJ/m ²	7
Deflection Temperature under Load at 0.455 MPa	75-1/75-2	°C	71
Vicat Softening Temperature at 10 N	306	°C	139
Melting Temperature	11357-3	°C	139

a) Injection molded specimen according to ISO 294.

Film Properties

Feature	Method	Units	Values
Haze	D 1003	%	1
Gloss 45°	D 2457	-	85

3) 30 µm thickness film, processed in a 50 mm screw diameter extruder with blow up ratio of 1,3:1 (MD=Machine Direction and TD=Transversal Direction)

1. Storage:

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

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