

## Developmental Polypropylene DR7032.06

### Description:

BRASKEM DR7032.06 Developmental Resin is a random copolymer for thin wall injection molding applications. The grade is characterized by a balanced mix of key properties e.g. good stiffness/impact balance, excellent optical properties and very high flowability.

### Processing conditions:

BRASKEM DR7032.06 is easy to process with injection molding equipment with conditions depending on the type of injection molding conversion technology applied. Recommended melt temperature range for injection molding from 200 to 250°C.

### Applications:

Thin wall packaging, Consumer Goods

### Processes:

Thin Wall Injection Molding

### Control Properties

Feature	Method	Units	Values
Melt Flow Rate (230°C/2.16 kg)	ISO 1133	g/10 min	100

### Typical Properties<sup>a</sup>

Feature	Method	Units	Values
Density	1183-1	g/cm <sup>3</sup>	0.900
Flexural Modulus	178	MPa	1050
Tensile Strength at Yield	527-1	MPa	27
Tensile Elongation at Yield	527-1	%	13
Notched Charpy Impact Strength at 23°C	179	kJ/m <sup>2</sup>	4.5
Notched Charpy Impact Strength at 0°C	179	kJ/m <sup>2</sup>	1.5
Deflection Temperature under Load at 0.455 MPa	75-1/75-2	°C	86
Vicat Softening Temperature at 10 N	306	°C	127

a) Injection molded specimen according to ISO 294.

### Film Properties

Feature	Method	Units	Values
Haze	D 1003	%	9

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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