Braskem

Data Sheet
H362-09RS

Polypropylene **H362-09RS**

Subgroup:
Homopolymer Resin

Description:
BRASKEM H362-09RS Polypropylene Resin is a homopolymer suited for high output, fast running cast film lines. BRASKEM H362-09RS has optimized rheology for fast extrusion (high output) providing good film properties like easy film winding and cutting performance, as well as good printing after corona treatment. Films based on BRASKEM H362-09RS in exhibit excellent optical properties, notably transparency and gloss. The grade contains slip and oleamide additives. The resin is well suited for the production of transparent films with a thickness range of 15-150 microns.

Applications:
- Film for food packaging (bakery, snacks)
- Other film e.g. textile packaging (shirts, hosiery, blankets, sweaters), stationary

Process:
- Cast film

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.900 g/cm3	0.900 g/cm3	ISO 1183
Melt Mass-Flow Rate (230°C/2.16 kg)	9.5 g/10 min	9.5 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, Injection Molded)	4350 psi	30 MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	12 %	12 %	ISO 527-2
Flexural Modulus (Injection Molded)	174000 psi	1200 MPa	ISO 178

Films	Nominal Value (English)	Nominal Value (SI)	Test Method
Film Thickness - Tested	2 mil	50 µm	
Tensile Modulus			ISO 527-3
1% Secant, MD: 1.2 mil (50 µm), Cast Film	91700 psi	632 MPa	
1% Secant, TD: 1.2 mil (50 µm), Cast Film	102000 psi	703 MPa	
Tensile Stress			ISO 527-3
MD: Break, 2.0mil (50µm), Cast Film	5660 psi	39 MPa	
TD: Break, 2.0mil (50µm), Cast Film	4060 psi	28 MPa	
Tensile Elongation			ISO 527-3
MD: Break, 2.0mil (50µm), Cast Film	530%	530%	
TD: Break, 2.0mil (50µm), Cast Film	520%	520%	
Dart Drop Impact			ISO 7765-1
2.0mil (50µm), Cast Film	190g	190g	
Film Puncture Energy (1.2 mil (30 µm))	24.8 in·lb	2.8 J	ASTM D5748 *
Film Puncture Force (1.2 mil (30 µm))	13.7 lbf	61 N	ASTM D5748 *

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Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/eA
73°F (23°C), Injection Molded	2.4 ft·lb/in²	5 kJ/m²	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			ISO 75-2/B **
66 psi (0.45 MPa), Unannealed	230 °F	110 °C	
Vicat Softening Temperature	304 °F	151 °C	ISO 306/A **

Optical	Nominal Value (English)	Nominal Value (SI)	Test Method
Gloss (45°, 1.97 mil (50.0 µm), Cast Film)	75	75	ASTM D2457
Haze (1.97 mil (50.0 µm), Cast Film)	5 %	5 %	ASTM D1003

Notes
These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

** Cast film
** Injection Molded