

Borpack™ SG915MO

Polypropylene
Borealis AG

Technical Datasheet

Product Description

Borpack SG915MO is a high impact and transparent polypropylene. This grade provides high gloss, high transparency and excellent impact properties.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
Search for UL Yellow Card	• Borealis AG
Availability	• Africa & Middle East • Europe • Latin America • North America
Features	• Good Flow • High Clarity • High Gloss • High Impact Resistance • Low Temperature Impact Resistance
Uses	• Containers • Crates • Household Goods • Industrial Containers • Packaging • Pails • Transparent or Translucent Parts
Appearance	• Clear/Transparent
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value Unit	Test Method
Density	0.925 g/cm ³	
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25 g/10 min	ISO 1133
Molding Shrinkage	1.0 to 2.0 %	

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	900 MPa	ISO 527-2
Tensile Stress (Yield)	23.0 MPa	ISO 527-2
Tensile Strain (Yield)	14 %	ISO 527-2

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179/1eA
-10°C	2.0 kJ/m ²	
0°C	4.0 kJ/m ²	
23°C	8.0 kJ/m ²	
Multi-Axial Instrumented Impact Energy		ISO 6603-2
-10°C, Total Penetration Energy	5.00 J	
0°C, Total Penetration Energy	20.0 J	
23°C, Total Penetration Energy	35.0 J	

Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	67	ISO 2039-2

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature 0.45 MPa, Unannealed	72.0 °C	ISO 75-2/B

Optical	Nominal Value Unit	Test Method
Haze (1000 µm)	21 %	Internal Method

Injection	Nominal Value Unit
Processing (Melt) Temp	220 to 260 °C
Mold Temperature	20.0 to 40.0 °C
Injection Rate	Fast
Holding Pressure	20.0 to 50.0 MPa

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Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

Where to Buy

Supplier

Borealis AG

Vienna, Austria

Telephone: +43 1 22 400 302

Web: <http://www.borealisgroup.com/>

Distributor

Nexeo Solutions - Europe

Nexeo Solutions is a Pan European distribution company. Contact Nexeo for availability of individual products by country.

Telephone: +34-93-480-9125

Web: <http://www.nexeosolutions.com/>

Availability: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Ireland, Italy, Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, United Kingdom

Polymer Z

Telephone: 248-705-5322

Availability: North America