

Technical Data

Product Description

Iupilon® MB2215R is an Acrylonitrile Butadiene Styrene + PC (ABS+PC) material. It is available in Asia Pacific, Europe, or North America for injection molding.

Important attributes of Iupilon® MB2215R are:

- Flame Rated
- Weldable

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English)
UL Yellow Card ²	• E41179-231714
Search for UL Yellow Card	• Mitsubishi Engineering-Plastics Corp • Iupilon®
Availability	• Asia Pacific • Europe • North America
Features	• Weldable
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.13 g/cm³	1.13 g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	4.7 g/10 min	4.7 g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	0.269 in³/10min	4.40 cm³/10min	ISO 1133
Molding Shrinkage			
Across Flow : 0.126 in (3.20 mm)	0.40 to 0.60 %	0.40 to 0.60 %	
Flow : 0.126 in (3.20 mm)	0.40 to 0.60 %	0.40 to 0.60 %	
Water Absorption (Saturation, 73°F (23°C))	0.12 %	0.12 %	ISO 62
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	348000 psi	2400 MPa	ISO 527-2
Tensile Stress (Yield)	7540 psi	52.0 MPa	ISO 527-2
Tensile Strain (Yield)	5.1 %	5.1 %	ISO 527-2
Nominal Tensile Strain at Break	51 %	51 %	ISO 527-2
Flexural Modulus	334000 psi	2300 MPa	ISO 178
Flexural Strength	12300 psi	85.0 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	29 ft·lb/in²	60 kJ/m²	ISO 179
Charpy Unnotched Impact Strength 73°F (23°C)	No Break	No Break	ISO 179
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	253 °F	123 °C	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	212 °F	100 °C	ISO 75-2/A
CLTE			ISO 11359-2
Flow	0.000039 in/in/°F	0.000070 cm/cm/°C	
Transverse	0.000039 in/in/°F	0.000070 cm/cm/°C	
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.0591 in (1.50 mm))	HB	HB	UL 94
Injection	Nominal Value (English)	Nominal Value (SI)	
Drying Temperature	176 to 212 °F	80.0 to 100 °C	
Drying Time	4.0 to 8.0 hr	4.0 to 8.0 hr	
Rear Temperature	410 to 482 °F	210 to 250 °C	



Iupilon® MB2215R

Acrylonitrile Butadiene Styrene + PC

Mitsubishi Engineering-Plastics Corp

PROSPECTOR®

www.ulprospector.com

Injection	Nominal Value (English)	Nominal Value (SI)
Middle Temperature	428 to 500 °F	220 to 260 °C
Front Temperature	446 to 518 °F	230 to 270 °C
Nozzle Temperature	446 to 518 °F	230 to 270 °C
Mold Temperature	140 to 194 °F	60.0 to 90.0 °C
Injection Pressure	7250 to 21800 psi	50.0 to 150 MPa
Screw Speed	50 to 100 rpm	50 to 100 rpm

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 A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

³ Typical properties: these are not to be construed as specifications.



Iupilon® MB2215R

Acrylonitrile Butadiene Styrene + PC
Mitsubishi Engineering-Plastics Corp

PROSPECTOR®

www.ulprospector.com

Where to Buy

Supplier

Mitsubishi Engineering-Plastics Corp

Chuo-ku Tokyo, Japan
Telephone: 212-687-6100
Web: <http://www.m-ep.co.jp/>

Distributor

Amco Polymers

Telephone: 800-262-6685
Web: <http://www.amcopolymers.com/>
Availability: North America

Chase Plastic Services, Inc.

Chase Plastics Services is a North American distributor with representatives throughout the region. Please find your rep here:
<http://www.chaseplastics.com/contact/locations>
Telephone: 800-232-4273
Web: <http://www.chaseplastics.com/>
Availability: North America

EnCom, Inc.

Telephone: 866-481-7700
Web: <http://www.encompolymers.com/>
Availability: North America

M. Holland Canada Company

Telephone: 905-665-1168
Web: <http://www.mholland.com/>
Availability: Canada

M. Holland Company

Telephone: 855-497-1403
Web: <http://www.mholland.com/>
Availability: Mexico, United States

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

Plastribution

Telephone: +44-845-345-4560
Web: <http://www.plastribution.co.uk/>
Availability: United Kingdom

TER HELL PLASTIC GMBH

TER HELL PLASTIC is a Pan European distribution company. Contact TER HELL PLASTIC for availability of individual products by country.
Telephone: +49-232-3941-0
Web: <http://www.terhell.de/>
Availability: Europe

Tex-Co Resin Distribution, Inc.

Telephone: 877-908-3926
Web: <http://www.texcoresin.com/>
Availability: North America

The Materials Group

Telephone: 616-863-6046
Web: <http://thematerialsgroup.com/>
Availability: North America



Iupilon® MB2215R

Acrylonitrile Butadiene Styrene + PC
Mitsubishi Engineering-Plastics Corp

PROSPECTOR®

www.ulprospector.com

Distributor

Amco Polymers

Telephone: 800-262-6685
Web: <http://www.amcopolymers.com/>
Availability: North America

Chase Plastic Services, Inc.

Chase Plastics Services is a North American distributor with representatives throughout the region. Please find your rep here:
<http://www.chaseplastics.com/contact/locations>
Telephone: 800-232-4273
Web: <http://www.chaseplastics.com/>
Availability: North America

EnCom, Inc.

Telephone: 866-481-7700
Web: <http://www.encompolymers.com/>
Availability: North America

M. Holland Canada Company

Telephone: 905-665-1168
Web: <http://www.mholland.com/>
Availability: Canada

M. Holland Company

Telephone: 855-497-1403
Web: <http://www.mholland.com/>
Availability: Mexico, United States

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

Plastribution

Telephone: +44-845-345-4560
Web: <http://www.plastribution.co.uk/>
Availability: United Kingdom

TER HELL PLASTIC GMBH

TER HELL PLASTIC is a Pan European distribution company. Contact TER HELL PLASTIC for availability of individual products by country.
Telephone: +49-232-3941-0
Web: <http://www.terhell.de/>
Availability: Europe

Tex-Co Resin Distribution, Inc.

Telephone: 877-908-3926
Web: <http://www.texcoresin.com/>
Availability: North America

The Materials Group

Telephone: 616-863-6046
Web: <http://thematerialsgroup.com/>
Availability: North America

Reseller

A Reseller is not a distributor authorized by the Supplier.

