

Polycarbonate Resin

NOVAREX®

Mitsubishi Engineering-Plastics Corporation

Head Office: Yaesu-Daibiru Building, 1-1-1 Kyobashi, Chuo-ku, Tokyo 104-0031, Japan

MEP Hong Kong Limited
 MEP Hong Kong Limited Guangzhou Office
 MEP Shanghai Office
 MEP Taiwan Limited
 MEP Singapore Pte, Ltd.
 MEP Technical Center Asia Ltd.
 MEP America, Inc.
 MEP Europe GmbH

Telephone: +81-3-3278-5849
 Telephone: +852-2536-4295
 Telephone: +86-20-3877-0885
 Telephone: +86-21-6841-1025
 Telephone: +886-2-2502-9226
 Telephone: +65-6225-0503
 Telephone: +66-38-717-062/063
 Telephone: +1-914-286-3680
 Telephone: +49-211-52392-51
 Facsimile: +81-3-3278-5826
 Facsimile: +852-2868-4718
 Facsimile: +86-20-3877-0890
 Facsimile: +21-6841-0577
 Facsimile: +886-2-2502-9227
 Facsimile: +65-6225-0615
 Facsimile: +66-38-214-355
 Facsimile: +1-914-286-3681
 Facsimile: +49-211-591272

M7026U for Multi-wall Sheet (Branched Polycarbonate)

Mitsubishi Engineering-Plastics Corporation has developed branched polycarbonate especially for multi-wall sheet. It is made from solvent (dichloromethane) free polymerization process. Therefore, it does not contain chloride residuals. An easy ramp-up program is available using solution technology supported by Mitsubishi Engineering-Plastics engineers.

<Features>

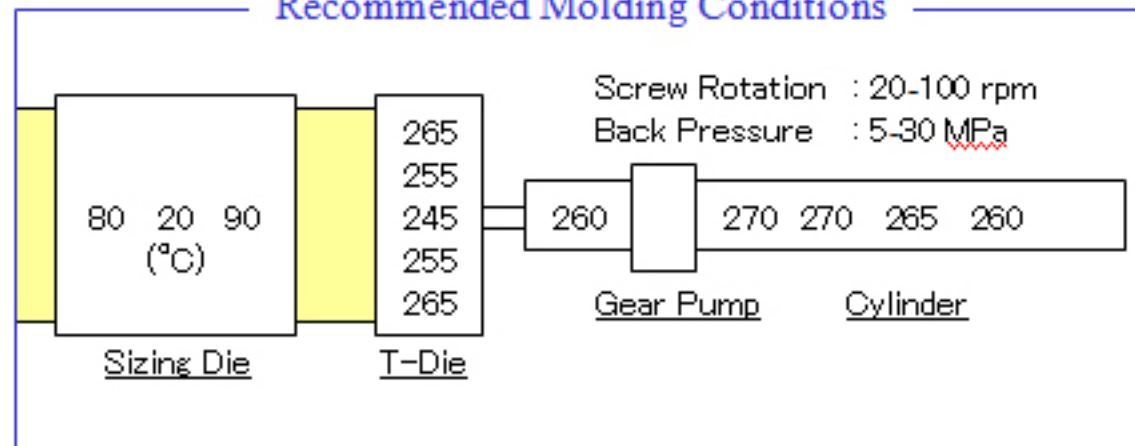
- Made from solvent-free polymerization
- Good processability in multi-wall applications

<Applications>

- Multi-wall sheet for skylight, glazing, signboard etc.
- Profile extrusion for light cover, etc.

Properties	Test Method	Conditions	Units	M7026U
Physical Properties				
Specific Gravity	ISO 1183		g/cm ³	1.2
Rheological Properties				
Melt Volume Rate	ISO 1133	300°C, 1.2 kgf load	cm ³ /10 min	4.9
Melt Flow Rate	ISO 1133	300°C, 1.2 kgf load	g/10 min	5.0
Mechanical Properties				
Tensile Modulus	ISO 527		MPa	2,300
Yielding Stress	ISO 527		MPa	64
Flexural Strength	ISO 178		MPa	99
Flexural Modulus	ISO 178		MPa	2,300
Charpy Impact Strength	ISO 179	Unnotched	kJ/m ²	NB
Heat Properties				
Deflection Temperature Under Load	ISO 75	1.80 MPa	°C	124
	ISO 75	0.45 MPa	°C	137

Recommended Molding Conditions



Recommended Drying Conditions

We strongly recommend drying. For effective drying, it is better to use hopper dryer. The hopper dryer should have the capacity of more than 6 hours consumption of the resin. Typical drying condition is:

[4 to 6 hours at 120°C]

But when using the vent-type extrusion machine, the pre-drying is not needed.

<Warranty Disclaimer>

The information in this brochure is provided in good faith and believed to be accurate. However, since the conditions of use are beyond the control of Mitsubishi Engineering-Plastics, Mitsubishi Engineering-Plastics makes its explanation and recommendation without any warranty, explicit or implicit, including any warranty of fitness for a particular purpose. The listed properties are portrayed as general information only and are not product specifications. Mitsubishi Engineering-Plastics disclaims any liability in connection with the use of the information in this brochure and does not warrant against infringement by reason of the use of any of its products in combination with other materials. The information presented here cannot be considered as a suggestion to use our products without taking into account existing patents, or legal provisions or regulations, whether national or local.