

Iupital™ FU2020R2

Mitsubishi Engineering-Plastics Corp - Acetal (POM) Copolymer

General Information			
Product Description			
VOC Low; Impact Resistance / Soft			
General			
Features	• Good Impact Resistance	• Low VOC	• Soft
Uses	• Automotive Applications • Automotive Electronics	• Electrical/Electronic Applications • General Purpose	
ASTM & ISO Properties ¹			
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.8	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	5.8	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	45.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	11	%	
Break	65	%	
Flexural Modulus ²	1700	MPa	ISO 178
Flexural Stress ²	61.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m²	ISO 179
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ISO 75-2/A
1.8 MPa, Unannealed	82.0	°C	
Melting Temperature	166	°C	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.8 mm)	HB		UL 94
Processing Information			
Injection	Nominal Value	Unit	
Drying Temperature - Hot Air Dryer	80	°C	
Drying Time - Hot Air Dryer	3.0 to 4.0	hr	
Rear Temperature	170	°C	
Middle Temperature	180	°C	
Front Temperature	190	°C	
Nozzle Temperature	180 to 210	°C	
Mold Temperature	< 40	°C	
Injection Pressure	50.0 to 100	MPa	

(+) 18816996168

Ponciplastics.com

Iupital™ FU2020R2

Mitsubishi Engineering-Plastics Corp - Acetal (POM) Copolymer

Injection	Nominal Value	Unit
Injection Rate	Moderate	
Screw Speed	80 to 120	rpm

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 mm/min

(+) 18816996168

Poncioplastics.com