



HOSTAFORM® MT®2U01

HOSTAFORM®

Hostaform® acetal copolymer grade MT®2U01 is a special grade developed for medical industry applications containing low residual monomers and no animal products. Hostaform® MT®2U01 is a low melt flow injection molding and extrusion grade designed for good processing along with optimum properties including improved toughness in demanding applications.

Product information

Trodact information			
Resin Identification	POM		ISO 1043
Part Marking Code	>POM<		ISO 11469
Rheological properties			
Melt volume-flow rate	2.5	cm ³ /10min	ISO 1133
Temperature	190		
Load	2.16	kg	
Moulding shrinkage, parallel	2.1	•	ISO 294-4, 2577
Moulding shrinkage, normal	1.8	%	ISO 294-4, 2577
Typical mechanical properties			
Tensile modulus	2600	MPa	ISO 527-1/-2
Tensile stress at yield, 50mm/min	62	MPa	ISO 527-1/-2
Tensile strain at yield, 50mm/min	9	%	ISO 527-1/-2
Nominal strain at break	32	%	ISO 527-1/-2
Flexural modulus	2500	MPa	ISO 178
Tensile creep modulus, 1h	2300	MPa	ISO 899-1
Tensile creep modulus, 1000h	1100		ISO 899-1
Charpy impact strength, 23°C	250 ^[P]	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C		kJ/m²	ISO 179/1eU
Charpy notched impact strength, 23°C		kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C		kJ/m²	ISO 179/1eA
Poisson's ratio	0.38 ^[C]		
[P]: Partial Break			
[C]: Calculated			
Thermal properties			
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	101	°C	ISO 75-1/-2
Coefficient of linear thermal expansion	110	E-6/K	ISO 11359-1/-2
(CLTE), parallel			
Physical/Other properties			
Humidity absorption, 2mm	0.2	%	Sim. to ISO 62
Water absorption, 2mm	0.65		Sim. to ISO 62
Density		kg/m³	ISO 1183
•		•	

Printed: 2025-05-30 Page: 1 of 2

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Injection

no	
100	°C
3 - 4	h
≤0.2	%
190	°C
180	°C
200	°C
≤0.3	m/s
100	°C
80	°C
120	°C
60 - 120	MPa
4	MPa
	100 3 - 4 ≤0.2 190 180 200 ≤0.3 100 80 120 60 - 120

Characteristics

Processing Injection Moulding, Extrusion, Sheet Extrusion

Delivery form Pellets

Additives Release agent

Additional information

Processing Notes Pre-Drying

Drying is not normally required. If material has come in contact with moisture through improper storage or handling, drying may be necessary to prevent splay and odor problems.

Printed: 2025-05-30 Page: 2 of 2

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