



HOSTAFORM® MT®2U06

HOSTAFORM®

Hostaform® acetal copolymer grade MT®2U06 is a high molecular weight and low flow grade primarily used for extrusion and select injection molding. Hostaform® MT®2U06 is a special grade developed for medical industry applications and in accordance to GMP principles. US FDA Device Master file listing is available for all colors and certified biocompatibility data (USP Class VI and ISO 10993) are available for select colors.

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Resin Identification Part Marking Code	POM >POM<		ISO 1043 ISO 11469
Rheological properties			
Melt volume-flow rate Temperature Load Moulding shrinkage, parallel Moulding shrinkage, normal [1]: @ 60 MPa	2.1 190 2.16 3.2 ^[1] 2.0 ^[1]	kg %	ISO 1133 ISO 294-4, 2577 ISO 294-4, 2577
Typical mechanical properties			
Tensile modulus Tensile stress at yield, 50mm/min Tensile strain at yield, 50mm/min Flexural modulus Charpy impact strength, 23°C Charpy impact strength, -30°C Charpy notched impact strength, 23°C Charpy notched impact strength, -30°C Izod notched impact strength, 23°C Poisson's ratio [C]: Calculated	11 2400 215 210 7 5.4	MPa %	ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 179/1eU ISO 179/1eU ISO 179/1eA ISO 180/1A
Thermal properties			
Melting temperature, 10°C/min Temperature of deflection under load, 1.8 MPa Coefficient of linear thermal expansion (CLTE), parallel Coefficient of linear thermal expansion (CLTE), normal	130	°C °C E-6/K	ISO 11357-1/-3 ISO 75-1/-2 ISO 11359-1/-2
Physical/Other properties			
Water absorption, 2mm Density	0.4 1410	% kg/m³	Sim. to ISO 62 ISO 1183
Injection			
Drying Recommended Drying Temperature Drying Time, Dehumidified Dryer Processing Moisture Content Melt Temperature Optimum	no 100 3 - 4 ≤0.2 190	h %	

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Revised: 2024-09-11 Source: Celanese Materials Database





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Min. melt temperature	180	°C
Max. melt temperature	200	°C
Screw tangential speed	≤0.3	m/s
Mold Temperature Optimum	100	°C
Min. mould temperature	80	°C
Max. mould temperature	120	°C
Hold pressure range	60 - 120	MPa
Back pressure	4	MPa

Characteristics

Processing Injection Moulding, Extrusion, Sheet Extrusion

Delivery form Pellets

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