

TEPCON® M450

Acetal (POM) Copolymer
Polyplastics Co., Ltd.

Message:
Standard, Super High Fluidity, High Cycle

General Information			
UL YellowCard	E146187-223360		
Features	Copolymer		
	High Flow		
UL File Number	E146187		
Forms	Pellets		
Part Marking Code (ISO 11469)	>POM<		
Physical	Nominal Value	Unit	Test Method
Density	1.41	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	63.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	27	%	ISO 527-2
Flexural Modulus	2550	MPa	ISO 178
Flexural Stress	89.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	5.0	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°C	ISO 75-2/A
CLTE			Internal Method
Flow : 23 to 55°C	1.1E-4	cm/cm/°C	
Transverse : 23 to 55°C	1.1E-4	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Electric Strength (3.00 mm)	19	kV/mm	IEC 60243-1
Comparative Tracking Index	> 600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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