

SUMIPLOY® MS5620

Polyethersulfone
Sumitomo Chemical Co., Ltd.

Message:

SUMIPLOY® MS5620 is a Polyethersulfone (PESU) material. It is available in Asia Pacific or North America for injection molding.

Important attributes of SUMIPLOY® MS5620 are:

- Chemical Resistant
- Creep Resistant
- Flame Retardant
- Good Dimensional Stability
- Heat Resistant

General Information			
Features	Flame Retardant		
	Gasoline Resistance		
	Good Chemical Resistance		
	Good Creep Resistance		
	Good Dimensional Stability		
	Good Impact Resistance		
	High ESCR (Stress Crack Resist.)		
	High Heat Resistance		
	Oil Resistant		
	Platable		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.73	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.32	%	
Across Flow	0.41	%	
Water Absorption (24 hr)	0.36	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	90.0	MPa	ASTM D638
Tensile Elongation (Break)	4.8	%	ASTM D638
Flexural Modulus	6600	MPa	ASTM D790
Flexural Strength	115	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.40 mm)	29	J/m	ASTM D256
Unnotched Izod Impact (6.40 mm)	270	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	210	°C	ASTM D648
CLTE			ASTM D696
Flow : -50 to 150°C	2.4E-5	cm/cm/°C	
Transverse : 50 to 150°C	3.2E-5	cm/cm/°C	
Injection	Nominal Value	Unit	
Processing (Melt) Temp	360	°C	

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Recommended distributors for this material

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