

SAMAT EP5001C(f1)

Polypropylene

POLYROCKS CHEMICAL CO., LTD

Message:

SAMAT EP5001C(f1) is a Polypropylene product. It is available in Asia Pacific. Applications of SAMAT EP5001C(f1) include consumer goods, electrical/electronic applications and outdoor applications.

Characteristics include:

- Flame Rated
- Flame Retardant
- Good UV Resistance
- Halogen Free
- Heat Resistant

General Information			
Features	Flame Retardant		
	Good UV Resistance		
	Halogen Free		
	High Flow		
	High Heat Resistance		
	High Impact Resistance		
	High Rigidity		
Uses	Consumer Applications		
	Electrical/Electronic Applications		
UL File Number	E253482		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0 to 1.2	%	ASTM D955
Outdoor Suitability	f1		UL 746C
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	16.0	MPa	ASTM D638
Tensile Elongation (Break)	300	%	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
Flexural Strength	25.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	85	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	115	°C	ASTM D648
Flammability	Nominal Value		Test Method

Flame Rating	UL 94
	V-0
1.50 mm	SC-0
	V-0
3.00 mm	SC-0

Injection	Nominal Value	Unit
Drying Temperature	90.0	°C
Drying Time	2.0	hr
Processing (Melt) Temp	180 to 200	°C
Mold Temperature	40.0 to 70.0	°C

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