SAMAT EP5001A(f1)

Polypropylene

POLYROCKS CHEMICAL CO., LTD

Message:

SAMAT EP5001A(f1) is a Polypropylene product. It is available in Asia Pacific. Applications of SAMAT EP5001A(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/cm³	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)	25.0	MPa	ASTM D638
Tensile Elongation (Break)	40	%	ASTM D638
Flexural Modulus	2350	MPa	ASTM D790
Flexural Strength	40.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	20	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	125	°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

Recommended distributors for this material

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