

Sinpolene HFR8284

Polypropylene

Teknor Apex Asia Pacific PTE. LTD.

Message:

Sinpolene HFR8284 is a Polypropylene material. It is available in Asia Pacific for injection molding.

Important attributes of Sinpolene HFR8284 are:

- Flame Rated
- Flame Retardant
- Halogen Free

General Information			
UL YellowCard	E142591-100085665		
Features	Flame Retardant		
	Halogen Free		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.970	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.3	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	1400	MPa	ASTM D790
Flexural Strength	33.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	50	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	103	°C	ASTM D648
Vicat Softening Temperature	146	°C	ASTM D1525 ¹
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.00 mm)	V-0		UL 94
Glow Wire Flammability Index	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature	750	°C	IEC 60695-2-13
NOTE			
1.	Loading 1 (10 N)		

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