

TAIRIREX HP8250

High Impact Polystyrene
Formosa Plastics Corporation

Message:

FCFC PS resin HP8250 meets the requirements of UL, SGS and the certificates of environmental protection.

General Information			
UL YellowCard	E162823-224748		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
UL File Number	E162823		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.04	g/cm ³	ASTM D792
23°C	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.5	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
23°C	22.6	MPa	ASTM D638
23°C	23.0	MPa	ISO 527-2
Tensile Elongation (Break, 23°C)	40	%	ASTM D638, ISO 527-2
Flexural Modulus (23°C)	2260	MPa	ASTM D790, ISO 178
Flexural Strength (23°C)	43.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C, 6.35 mm)	110	J/m	ISO 180, ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ¹ (1.8 MPa, Annealed, 3.18 mm)	90.0	°C	ASTM D648, ISO 75-2/A
Vicat Softening Temperature	97.0	°C	ASTM D1525, ISO 306/B
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm, Natural Color)	HB	UL 94	
Additional Information	Nominal Value	Unit	
Residual Monomer	< 700	ppm	
Injection	Nominal Value	Unit	
Drying Temperature	75.0	°C	
Drying Time	1.0 to 2.0	hr	
Hopper Temperature	40.0	°C	
Rear Temperature	190	°C	

Middle Temperature	200	°C
Front Temperature	210	°C
Nozzle Temperature	205	°C
Processing (Melt) Temp	180 to 220	°C
Mold Temperature	20.0 to 70.0	°C
Injection Rate	Moderate	

NOTE

1. 80°Cx2Hr

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT