GPPC PS-333

High Impact Polystyrene

GPPC Chemical Co., Ltd.

Message:

GPPC PS-333 is a High Impact Polystyrene material. It is available in Asia Pacific or North America for injection molding.
Important attributes of GPPC PS-333 are:
Flame Rated
REACH Compliant
RoHS Compliant
Impact Resistant

General Information			
UL YellowCard	E115332-219492		
Features	High Impact Resistance		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
UL File Number	E115332		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.05	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
200°C/5.0 kg	6.0	g/10 min	
230°C/3.8 kg	16	g/10 min	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (L-Scale)	64		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (3.18 mm)	32.4	MPa	ASTM D638
Flexural Modulus [2] (3.18 mm)	2180	MPa	ASTM D790
Flexural Strength [3] (3.18 mm)	48.1	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
3.18 mm	85	J/m	
6.35 mm	75	J/m	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	82.0	°C	ASTM D648
Flammability	**Nominal Value**		**Test Method**
Flame Rating			UL 94
1.59 mm	HB		
3.18 mm	HB		
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0 to 90.0	°C	

Processing (Melt) Temp	160 to 240	°C
Mold Temperature	35.0 to 65.0	°C

NOTE	
1.	50 mm/min
2.	15 mm/min
3.	15 mm/min

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

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