

GPPC PS-350S

High Impact Polystyrene

GPPC Chemical Co., Ltd.

Message:

GPPC PS-350S is a High Impact Polystyrene material. It is available in Asia Pacific or North America for extrusion or injection molding.

Important attributes of GPPC PS-350S are:

- Flame Rated
- REACH Compliant
- RoHS Compliant
- Impact Resistant

General Information			
UL YellowCard	E115332-101590784		
Features	High Impact Resistance		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
UL File Number	E115332		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
200°C/5.0 kg	3.0	g/10 min	
230°C/3.8 kg	9.5	g/10 min	

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (L-Scale)	58		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.18 mm)	30.4	MPa	ASTM D638
Flexural Modulus ² (3.18 mm)	1910	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	140	J/m	
6.35 mm	120	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

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|----|-----------|
| 1. | 50 mm/min |
| 2. | 15 mm/min |
| 3. | 15 mm/min |

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Recommended distributors for this material

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