

GPPC PS-316

High Impact Polystyrene

GPPC Chemical Co., Ltd.

Message:

GPPC PS-316 is a High Impact Polystyrene material. It is available in Asia Pacific or North America for injection molding.

Important attributes of GPPC PS-316 are:

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

General Information			
UL YellowCard	E115332-219491		
Features	High Flow		
	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	8.0	g/10 min	
230°C/3.8 kg	25	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (L-Scale)	68		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.18 mm)	28.4	MPa	ASTM D638
Flexural Modulus ² (3.18 mm)	2010	MPa	ASTM D790
Flexural Strength ³ (3.18 mm)	47.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.18 mm	69	J/m	
6.35 mm	69	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	80.0	°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	

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Recommended distributors for this material

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