

GPPC PS-302

High Impact Polystyrene

GPPC Chemical Co., Ltd.

Message:

GPPC PS-302 is a High Impact Polystyrene material. It is available in Asia Pacific or North America for injection molding.

Important attributes of GPPC PS-302 are:

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

General Information			
UL YellowCard	E115332-101398902		
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/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
200°C/5.0 kg	4.5	g/10 min	
230°C/3.8 kg	12	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)	28.4	MPa	ASTM D638
Flexural Modulus ² (3.18 mm)	2060	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	98	J/m	
6.35 mm	83	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	102	°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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