

GPPC ABS D-100

Acrylonitrile Butadiene Styrene

GPPC Chemical Co., Ltd.

Message:

GPPC ABS D-100 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific or North America for injection molding.

Important attributes of GPPC ABS D-100 are:

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

General Information			
UL YellowCard	E88637-252420		
Features	High Impact Resistance		
Agency Ratings	CSA LS103112		
	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
UL File Number	E88637		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR)			
200°C/5.0 kg	0.60	g/10 min	ASTM D1238
220°C/10.0 kg	6.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	96		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.18 mm)	37.3	MPa	ASTM D638
Flexural Modulus ² (3.18 mm)	1810	MPa	ASTM D790
Flexural Strength ³ (3.18 mm)	60.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.18 mm	510	J/m	
6.35 mm	430	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	87.0	°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	180 to 240	°C
Mold Temperature	40.0 to 80.0	°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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