

GPPC ABS D-120N

Acrylonitrile Butadiene Styrene

GPPC Chemical Co., Ltd.

Message:

GPPC ABS D-120N is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific or North America for extrusion or injection molding. Important attributes of GPPC ABS D-120N are:

- Flame Rated
- REACH Compliant
- RoHS Compliant

General Information			
UL YellowCard	E88637-101270266		
Agency Ratings	CSA LS103112		
	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
UL File Number	E88637		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.03	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			
200°C/5.0 kg	0.80	g/10 min	ASTM D1238
220°C/10.0 kg	8.0	g/10 min	ISO 1133

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.18 mm)	41.7	MPa	ASTM D638
Flexural Modulus ² (3.18 mm)	2040	MPa	ASTM D790
Flexural Strength ³ (3.18 mm)	69.1	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.18 mm	560	J/m	
6.35 mm	390	J/m	

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	90.0	°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	170 to 240	°C
Mold Temperature	40.0 to 80.0	°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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