

GPPC ABS D-450

Acrylonitrile Butadiene Styrene

GPPC Chemical Co., Ltd.

Message:

GPPC ABS D-450 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-450 are:

- Flame Rated
- REACH Compliant
- Heat Resistant

General Information			
UL YellowCard	E88637-252440		
Features	High Heat Resistance		
Agency Ratings	CSA LS103112		
	EC 1907/2006 (REACH)		
UL File Number	E88637		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	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)	114		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (3.18 mm)	48.1	MPa	ASTM D638
Flexural Modulus ² (3.18 mm)	2400	MPa	ASTM D790
Flexural Strength ³ (3.18 mm)	85.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.18 mm	240	J/m	
6.35 mm	190	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 12.7 mm)	97.0	°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	85.0 to 100	°C	

Processing (Melt) Temp	200 to 250	°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

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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