

EnCom HH ABS 290

Acrylonitrile Butadiene Styrene

EnCom, Inc.

Message:

High Heat ABS

General Information	
Features	High Heat Resistance
Uses	Automotive Applications
	Business Equipment
Appearance	Black
	Opaque
Forms	Pellets
Processing Method	Injection Molding
	Profile Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	4.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.40 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	50.3	MPa	ASTM D638
Flexural Modulus	2210	MPa	ASTM D790
Flexural Strength (Yield)	79.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	270	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	110	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.57 mm	HB		
3.18 mm	HB		
Injection	Nominal Value	Unit	
Drying Temperature	82.2 to 93.3	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	7.0	hr	
Suggested Max Moisture	0.15	%	

Rear Temperature	188 to 232	°C
Middle Temperature	204 to 246	°C
Front Temperature	218 to 260	°C
Nozzle Temperature	218 to 274	°C
Processing (Melt) Temp	218 to 274	°C
Mold Temperature	48.9 to 76.7	°C
Back Pressure	0.172 to 0.689	MPa
Screw Speed	25 to 75	rpm

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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

