

EnCom ABS 6040

Acrylonitrile Butadiene Styrene

EnCom, Inc.

Message:

Molding Grade ABS

General Information			
Uses	Automotive Applications Business Equipment Thin-walled Parts		
Appearance	Black Colors Available Natural Color		
Forms	Pellets		
Processing Method	Injection Molding Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	6.0	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)	43.4	MPa	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Flexural Strength (Yield)	68.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	220	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	82.2	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.57 mm)	HB		UL 94
Injection	Nominal Value	Unit	Test Method
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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

