

EnCom PC-ABS 7000

Polycarbonate + ABS

EnCom, Inc.

Message:

General Purpose PC/ABS Alloy

General Information			
Features	General Purpose		
Uses	Automotive Applications		
	Pump Parts		
Appearance	Black		
	Colors Available		
	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	49.6	MPa	ASTM D638
Tensile Elongation (Break)	120	%	ASTM D638
Flexural Modulus	2310	MPa	ASTM D790
Flexural Strength (Yield)	82.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	530	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	128	°C	
1.8 MPa, Unannealed	110	°C	
Flammability	Nominal Value	Test Method	
Flame Rating (3.18 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	82.2 to 104	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	232 to 260	°C	

Middle Temperature	235 to 263	°C
Front Temperature	241 to 274	°C
Nozzle Temperature	246 to 274	°C
Processing (Melt) Temp	246 to 274	°C
Mold Temperature	79.4 to 93.3	°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

