

Abstron AN-312

Polycarbonate + ABS

Bhansali Engineering Polymers Limited

Message:

ABS-Polycarbonate alloy with Flame Retardancy, general purpose FR-ABS and Sheet Extrusion Grade with FR feature.Cleck heare 94 V0 and V2 specifications. Some of the grades are UL certified

General Information			
Features	General		
	Flame retardancy		
Uses	Sheet		
	General		
RoHS Compliance	RoHS compliance		
Forms	Particle		
Processing Method	Sheet extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	50	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	39.2	MPa	ASTM D638
Flexural Modulus (6.40 mm)	1770	MPa	ASTM D790
Flexural Strength (Yield, 6.40 mm)	53.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
3.20 mm	200	J/m	ASTM D256
6.40 mm	180	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	88.0	°C	ASTM D648
Vicat Softening Temperature	98.0	°C	ASTM D1525 ²
Flammability	Nominal Value		Test Method
Flame Rating (3.20 mm)	V-0		UL 94
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 - 95.0	°C	
Drying Time	5.0 - 7.0	hr	

Suggested Max Moisture	0.15	%
Cylinder Zone 1 Temp.	150 - 210	°C
Extrusion instructions		
Drying Time (Tray Oven): 5 to 7 hrDrying Time (Hopper Dryers): 4 to 5 hrDrying Time (Dry Air Ovens): 3 to 4 hr		
NOTE		
1.	Type 1, 5.0 mm/min	
2.	标准 B (120°C/h)	

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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

