

LNP™ COLORCOMP™ AX98567H compound

Acrylonitrile Butadiene Styrene

SABIC Innovative Plastics

Message:

LNP COLORCOMP AX98567H is an unfilled compound based on ABS. Added feature of this grade is: Healthcare.

Also known as: LNP* COLORCOMP* Compound PDX-A-98567

Product reorder name: AX98567H

General Information			
UL YellowCard	E121562-101343432		
Uses	Medical/Healthcare Applications		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	16.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow : 24 hr	0.40 to 0.60	%	
Flow : 24 hr	0.40 to 0.60	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2500	MPa	ISO 527-2/1
Tensile Stress (Yield)	52.0	MPa	ISO 527-2/5
Tensile Strain			ISO 527-2/5
Yield	2.0	%	
Break	15	%	
Flexural Modulus ¹	2600	MPa	ISO 178
Flexural Stress	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m ²	ISO 179/2C
Charpy Unnotched Impact Strength (-30°C)	70	kJ/m ²	ISO 179/2U
Notched Izod Impact Strength ² (23°C)	12	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
CLTE - Flow (23 to 60°C)	8.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+16	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	

Drying Time	4.0	hr
Suggested Max Moisture	0.050 to 0.10	%
Rear Temperature	204 to 216	°C
Middle Temperature	232 to 243	°C
Front Temperature	266 to 277	°C
Processing (Melt) Temp	260	°C
Mold Temperature	71.1 to 82.2	°C
Back Pressure	0.172 to 0.344	MPa
Screw Speed	30 to 60	rpm
NOTE		
1.	2.0 mm/min	
2.	80*10*4	

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