LNP™ COLORCOMP™ Compound AX98567H

Americas: COMMERCIAL

Also known as: LNP™ COLORCOMP™ Compound PDX-A-98567
Product reorder name: AX98567H

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

TYPICAL PROPERTIES[1]	TYPICAL VALUE	Unit	Standard
MECHANICAL			
Tensile Stress, yield, 5 mm/min	52	MPa	ISO 527
Tensile Strain, yield, 5 mm/min	2	%	ISO 527
Tensile Strain, break, 5 mm/min	15	%	ISO 527
Tensile Modulus, 1 mm/min	2500	MPa	ISO 527
Flexural Stress	75	MPa	ISO 178
Flexural Modulus, 2 mm/min	2600	MPa	ISO 178
IMPACT			
Charpy Impact, unnotched, -30°C	70	kJ/m²	ISO 179/2C
Izod Impact, notched 80*10*4 +23°C	12	kJ/m²	ISO 180/1A
Charpy Impact, notched, 23°C	11	kJ/m²	ISO 179/2C
THERMAL			
CTE, 23°C to 60°C, flow	8.E-05	1/°C	ISO 11359-2
PHYSICAL			
Specific Gravity	1.06	-	ASTM D 792
Mold Shrinkage, flow, 24 hrs (5)	0.4 - 0.6	%	ISO 294
Mold Shrinkage, xflow, 24 hrs (5)	0.4 - 0.6	%	ISO 294
Melt Volume Rate, MVR at 220°C/10.0 kg	16	cm³/10 min	ISO 1133
ELECTRICAL			
Volume Resistivity	1.E+16	Ohm-cm	IEC 60093
Surface Resistivity, ROA	1.E+16	Ohm	IEC 60093
FLAME CHARACTERISTICS			
UL Recognized, 94HB Flame Class Rating (3)	1.6	mm	UL 94

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.
(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.
(4) Internal measurements according to UL standards.
(5) Measurements made from laboratory test coupon. Actual shrinkage may vary outside of range due to differences in processing conditions, equipment, part geometry and tool design. It is recommended that mold shrinkage studies be performed with surrogate or legacy tooling prior to cutting tools for new molded article.
(6) Needs hard coat to consistently pass 60 sec Vertical Burn.

Source GMD, last updated:

PLEASE CONTACT YOUR LOCAL SALES OFFICE FOR AVAILABILITY IN YOUR AREA.

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PROCESSING PARAMETERS	TYPICAL VALUE	Unit
Injection Molding		
Drying Temperature	80	°C
Drying Time	4	hrs
Maximum Moisture Content	0.05 - 0.1	%
Melt Temperature	260	°C
Front - Zone 3 Temperature	265 - 275	°C
Middle - Zone 2 Temperature	230 - 245	°C
Rear - Zone 1 Temperature	205 - 215	°C
Mold Temperature	70 - 80	°C
Back Pressure	0.2 - 0.3	MPa
Screw Speed	30 - 60	rpm

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