

Lieferant:

Distributor:

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SAXALAC 120E

SAXALAC 120E ist eine lebensmittelkonforme und UL gelistete **ABS** Spritzgiesstyp mit einem gut ausbalancierten Eigenschaftsprofil für diverse Anwendungen.

SAXALAC 120E is a foodcontact and UL listed ABS injection molding grade with a well balanced property profile for various applications.

Eigenschaft <i>Property</i>	Einheit <i>Unit</i>	Norm <i>Norm</i>	Bedingungen <i>Conditions</i>	Wert <i>Value</i>
Zugfestigkeit - Tensile Strength	N/mm ²	ISO 527-1	23°C/50% relH	46
Bruchdehnung - Strain at Break	%	ISO 527-1	23°C/50% relH	25
Zugmodul - Tensile Modulus	N/mm ²	ISO 527-1	23°C/50% relH	2400
IZOD Schlagzähigkeit - Impact Strength	KJ/m ²	ISO 180	23°C/50% relH -30°C	- -
IZOD Kerbschlagzähigkeit - Notched Impact Strength	KJ/m ²	ISO 180/1A	23°C/50% relH -30°C	24 8
CHARPY Schlagzähigkeit - Impact Strength	KJ/m ²	ISO 179/1eU	23°C/50% relH -30°C	- -
CHARPY Kerbschlagzähigkeit - Notched Impact Strength	KJ/m ²	ISO 179/1eA	23°C/50% relH -30°C	25 8
Vicat B / 50	°C	ISO 306		100
HDT A 1.8 Mpa T_{FF}	°C	ISO 75-1 A	80*10*4 s=60mm	80
Entflammbarkeit - Flammability		UL 94	1,5 mm all colors	HB
Glühdraht-Entflammbarkeit – Glow-Wire Flammability (GWFI)	°C	IEC/EN 60695-2-12	1,0 mm all colors	675
Glühdraht Zündtemperatur – Glow-Wire Ignition (GWIT)	°C	IEC/EN 60695-2-13	1,0 mm all colors	700
MVR	cm ³ /10min	ISO 1133	220°C/10kg	20
Verarbeitungsschwindung – Mold shrinkage	%			4-0.7
Dichte – Density	g/cm ³			1.04
Restfeuchte - Moisture Content	%	intern		<0.2
Verarbeitungshinweise - Processing				
Vortrocknung - Pre Drying	80°C	2-4h		
Empfohlene Massetemperatur - Melt Temperature	220-260°C			
Empfohlene Werkzeugtemperatur - Mold Temperature	60-90°C			

Alle Messwerte beziehen sich auf Naturmaterial - Test results refer to natural color material



Component - Plastics

File Number: E248415

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SAXALAC 120E

Acrylonitrile Butadiene Styrene (ABS), pellets

NOTE - Material designation may be followed by a color nomenclature consisting of either an alpha/numeric or a numeric/alpha combination.

Flammability	Value	Test Method
Flame Rating		
1.5 mm, ALL	HB	UL 94
2.0 mm, ALL	HB	UL 94
3.0 mm, ALL	HB	UL 94
4.0 mm, ALL	HB	UL 94
6.0 mm, ALL	HB	UL 94
3.0 mm, ALL	HB40	IEC 60695-11-10, -20
4.0 mm, ALL	HB40	IEC 60695-11-10, -20
6.0 mm, ALL	HB40	IEC 60695-11-10, -20
1.5 mm, ALL	HB75	IEC 60695-11-10, -20
2.0 mm, ALL	HB75	IEC 60695-11-10, -20
Glow Wire Flammability Index		
1.0 mm	675 °C	IEC 60695-2-12
1.5 mm	700 °C	
2.0 mm	700 °C	
3.0 mm	675 °C	
4.0 mm	675 °C	
4.0 mm	675 °C	
Glow Wire Ignition Temperature		
1.0 mm	700 °C	IEC 60695-2-13
1.5 mm	725 °C	
2.0 mm	725 °C	
3.0 mm	700 °C	
4.0 mm	700 °C	
4.0 mm	700 °C	
Electrical		
Hot-wire Ignition (HWI)		
1.5 mm	PLC 4	UL 746
2.0 mm	PLC 4	
3.0 mm	PLC 3	
4.0 mm	PLC 3	
6.0 mm	PLC 3	
6.0 mm	PLC 3	
High Amp Arc Ignition (HAI)		
1.5 mm	PLC 0	UL 746
2.0 mm	PLC 0	
3.0 mm	PLC 0	
4.0 mm	PLC 0	
6.0 mm	PLC 0	
6.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746

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Electrical	Value	Test Method
Dielectric Strength	33 kV/mm	ASTM D149 IEC 60243-1
High Voltage Arc Tracking Rate (HVTR)	PLC 3	UL 746
Volume Resistivity	1.0E+16 ohms·cm	ASTM D257 IEC 60093
Arc Resistance	PLC 6	ASTM D495
Thermal	Value	Test Method
RTI Elec		UL 746
1.0 mm	60.0 °C	
1.5 mm	80.0 °C	
2.0 mm	80.0 °C	
3.0 mm	80.0 °C	
4.0 mm	80.0 °C	
6.0 mm	80.0 °C	
RTI Imp		UL 746
1.0 mm	60.0 °C	
1.5 mm	80.0 °C	
2.0 mm	80.0 °C	
3.0 mm	80.0 °C	
4.0 mm	80.0 °C	
6.0 mm	80.0 °C	
RTI Str		UL 746
1.0 mm	60.0 °C	
1.5 mm	80.0 °C	
2.0 mm	80.0 °C	
3.0 mm	80.0 °C	
4.0 mm	80.0 °C	
6.0 mm	80.0 °C	
Physical	Value	Test Method
Dimensional Stability	0.040 %	ASTM D1042 ISO 2796