

ALCOM® AHT 530/40

Polycarbonate + ABS

ALBIS PLASTIC GmbH

Message:

ALCOM® AHT 530/40 is a polycarbonate acrylonitrile butadiene styrene (PC ABS) product. It can be processed by injection molding and is available in North America, Europe or the Asia-Pacific region. Typical application areas are: automotive industry.

Features include:

Comply with REACH standard

ROHS certification

heat stabilizer

Stable

General Information			
Additive	Processing stabilizer heat stabilizer		
Features	Thermal Stability		
Uses	Application in Automobile Field Car interior parts		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.09	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	20.0	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	100	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2
Tensile Stress (Break)	50.0	MPa	ISO 527-2
Tensile Strain (Break)	12	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	15	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	98.0	°C	ISO 75-2/A
Vicat Softening Temperature	111	°C	ISO 306/B50
Injection	Nominal Value	Unit	

Drying Temperature		
Dehumidification desiccant	80 - 90	°C
Hot air dryer	80 - 90	°C
Drying Time		
Dehumidification desiccant	3.0 - 6.0	hr
Hot air dryer	2.0 - 4.0	hr
Processing (Melt) Temp	230 - 260	°C
Mold Temperature	60 - 80	°C

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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



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