

POLYLAN AX4000

Acrylonitrile Butadiene Styrene
POLYMA Kunststoff GmbH & Co. KG

Message:

POLYLAN AX4000 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Europe. Primary characteristic: heat resistant.

General Information			
Features	Medium Heat Resistance		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)	10	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	106		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2550	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield, 23°C)	39.0	MPa	ASTM D638, ISO 527-2
Flexural Strength (23°C)	69.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	170	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 12.7 mm	99.0	°C	ASTM D648
1.8 MPa, Unannealed	99.0	°C	ISO 75-2/A
1.8 MPa, Annealed, 12.7 mm	110	°C	ASTM D648
1.8 MPa, Annealed	110	°C	ISO 75-2/A
Vicat Softening Temperature	116	°C	ISO 306/A, ASTM D1525 ¹
NOTE			

1. Loading 1 (10 N)

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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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