

POLYLAN AT5500

Acrylonitrile Butadiene Styrene
POLYMA Kunststoff GmbH & Co. KG

Message:

POLYLAN AT5500 is an Acrylonitrile Butadiene Styrene (ABS) product. It is available in Europe. Primary characteristic: flame rated.

General Information			
Appearance	Clear/Transparent		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ASTM D1238, ISO 1133
200°C/10.0 kg	26	g/10 min	
200°C/5.0 kg	2.1	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	105		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2160	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield, 23°C)	44.0	MPa	ASTM D638, ISO 527-2
Flexural Strength (23°C)	72.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.35 mm)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 12.7 mm	87.0	°C	ASTM D648
1.8 MPa, Unannealed	87.0	°C	ISO 75-2/A
1.8 MPa, Annealed, 12.7 mm	99.0	°C	ASTM D648
1.8 MPa, Annealed	99.0	°C	ISO 75-2/A
Vicat Softening Temperature	102	°C	ISO 306/A, ASTM D1525 ¹
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	HB		UL 94
NOTE			
1.	Loading 1 (10 N)		

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