

POLYLAN AE8000

Acrylonitrile Butadiene Styrene
POLYMA Kunststoff GmbH & Co. KG

Message:

POLYLAN AE8000 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by extrusion and is available in Europe. Primary characteristic: flame rated.

General Information			
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/10.0 kg)	3.5	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	100		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2260	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield, 23°C)	43.0	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)	340	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 12.7 mm	91.0	°C	ASTM D648
1.8 MPa, Unannealed	91.0	°C	ISO 75-2/A
1.8 MPa, Annealed, 12.7 mm	104	°C	ASTM D648
1.8 MPa, Annealed	104	°C	ISO 75-2/A
Vicat Softening Temperature	107	°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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