

POLYMAN® (ABS) LC HH

Acrylonitrile Butadiene Styrene

A. Schulman Europe

Message:

Heat resistance ABS grade with high colour

General Information			
Processing Method	Injection molding		
Resin ID (ISO 1043)	ABS		
Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	7.00	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2390	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	48.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	2.9	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	9.0	kJ/m²	ISO 179/1eA
23°C	14	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	91	kJ/m²	ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	97.0	°C	ISO 75-2/Bf
1.8 MPa, not annealed	82.0	°C	ISO 75-2/Af
1.8 MPa, annealed	108	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	114	°C	ISO 306/A50
--	104	°C	ISO 306/B50
Additional Information			

- 1.)
- Not for use in food contact applications2.)
- Not for use in medical or pharmaceutical applications

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