

HLGP270N

General-Purpose Polystyrene Technical Datasheet

Features

- suitable for extrusion and injection molding
- high transparency
- sturdy
- heat-resistant

End uses

- excellent for all kinds of daily commodities
- XPS insulation board
- billboard
- refrigerator partition

Compliant to

- US FDA 21 CFR.177.1640
- EU RoHS 2011/65/EU
- REACH Regulation 1907/2006

Certified by

REACH

Specifications

HLGP270N				
Property	Unit	Specification	Result	Test Method
Melt Mass-Flow Rate	g/10min	1.9~2.7	2.52	GB/T3682.1-2018
Tensile Strength	MPa	≥51.0	52.8	GB/T1040.2-2022
Charpy Index Strength	kJ/m ²	≥8.1	8.6	GB/T1043.1-2008
Vicat Softening Temperature	°C	≥96	103	GB/T1633-2000
Temperature of Deflection under Load	°C	≥90	96	GB/T1634.2-2019
Residual Styrene Monomer	mg/kg	≤500	382	GB/T16867-1997
Light Transmittance	%	≥89	90.3	GB/T2410-2008
Molding Shrinkage	%	0.3~0.6	0.5	GB/T17037.4-2003
Conclusion	Grade A			

All tests were run under laboratory conditions.

The data are intended as a general guide only.



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