

Technical Data Sheet

Moplen HE425H



Polypropylene, Homopolymer

Product Description

LyondellBasell Australia's Polypropylene grade *Moplen* HE425H is an impact enhanced, low flow homopolymer. *Moplen* HE425H is primarily intended for use in sheet and thermoforming applications.

Regulatory Status

For regulatory compliance information, see *Moplen* HE425H [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Asia-Pacific; Australia and New Zealand
Application	Corrugated Sheet; General Sheet Extrusion
Market	Industrial Packaging; Rigid Packaging
Processing Method	Sheet and Profile Extrusion; Thermoforming
Attribute	Good Impact Resistance; Good Processability; Good Stiffness

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	1.8	g/10 min	ISO 1133-1
Density, (23 °C, Method D)	0.90	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	1400	MPa	ISO 178
Tensile Stress at Yield	30	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength, (23 °C)	8.5	kJ/m ²	ISO 180/1A
Hardness			
Shore Hardness, (Shore D)	69		ISO 868
Thermal			
Vicat Softening Temperature	153	°C	ISO 306
Heat Deflection Temperature B, (0.45 MPa, Unannealed)	83	°C	ISO 75B-1, -2

Notes

These are typical property values not to be construed as specification limits.