

Hostalen PP H2150

Polypropylene Homopolymer

PolyMirae

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Technical Data

Product Description

Hostalen PP H2150 is the polypropylene HOMO polymer manufactured by PMC under the license of BASSELL using the Spheripol process.

Hostalen PP H2150 is a natural, nucleated polypropylene homopolymer with high melt viscosity for extrusion. The product has a high heat- and extraction stability.

It is not intended for medical and pharmaceutical applications.

General

Material Status	• Commercial: Active
Literature ¹	• Technical Datasheet (English) • Technical Datasheet (English)
Search for UL Yellow Card	• PolyMirae • Hostalen PP
Availability	• Asia Pacific
Additive	• Nucleating Agent
Features	• Chemical Resistant • Extraction Resistant • Good Impact Resistance • High Heat Resistance • High Viscosity • Homopolymer • Nucleated
Uses	• Industrial Applications • Piping • Rods • Sheet
Agency Ratings	• FDA 21 CFR 177.1520
Appearance	• Natural Color

Physical	Nominal Value Unit	Test Method
Density	0.900 g/cm ³	ISO 1183 ASTM D1505
Melt Mass-Flow Rate (MFR)		
230°C/2.16 kg	0.30 g/10 min	ASTM D1238 ISO 1133
230°C/5.0 kg	1.3 g/10 min	ISO 1133

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus - Secant (23°C)	1400 MPa	ISO 527-2/1
Tensile Strength		
Yield	35.3 MPa	ASTM D638
Yield, 23°C	31.0 MPa	ISO 527-2/50
Tensile Elongation		
Yield	11 %	ASTM D638
Yield, 23°C	9.0 %	ISO 527-2/50
Flexural Modulus	1470 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179/1eA
0°C	2.8 kJ/m ²	
23°C	9.0 kJ/m ²	
Charpy Unnotched Impact Strength		ISO 179/1eU
0°C	200 kJ/m ²	
23°C	No Break	
Notched Izod Impact (23°C)	59 J/m	ASTM D256

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		
0.45 MPa, Unannealed	110 °C	ASTM D648
0.45 MPa, Unannealed	90.0 °C	ISO 75-2/B



Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	150 °C	ASTM D1525 ISO 306/A50

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.



Where to Buy

Supplier

PolyMirae

Seoul, South Korea
Telephone: +82-2-2167-8955
Web: <http://www.polymirae.com/>

Distributor

Please contact the supplier to find a distributor for Hostalen PP H2150

