

Hostalen PP H2150-RC

Polypropylene, Homopolymer

Product Description

Hostalen PP H2150-RC is a natural, nucleated polypropylene homopolymer for extrusion with high melt viscosity and a superior resistance to slow crack propagation. The product has a high heat stability.

The material Hostalen PP H2150-RC has been certified by ISO9080 and according to ISO12162 as PP100.

For further details about the suitable applications for this material please contact LyondellBasell.

For regulatory information please refer to the *Hostalen* PP H2150-RC Product Stewardship Bulletin (PSB).

Hostalen PP H2150-RC is not intended for medical and pharmaceutical applications.

Product Characteristics

Test Method used	ISO
Processing Methods	Extrusion Pipe Sheet and Semi Finished Products
Features	Antioxidant, Homopolymer, Nucleated
Typical Customer Applications	Industrial, Panels & Profiles, Pipes

Typical Properties	Method	Value	Unit
Physical			
Melt flow rate (MFR)	ISO 1133		
(230 °C/5.0 kg g/10 min)		1.3	g/10 min
(230 °C/ 2.16 kg g/10 min)		0.3	g/10 min
Mechanical			
Tensile Modulus (23 °C, $v = 1$ mm/min, Secant)	ISO 527-1, -2	1400	MPa
<i>Note: measured after 48 hours</i>			
Tensile Strain at Yield (23 °C)	ISO 527-1, -2	10	%
Tensile Strain at Break	ISO 527-1, -3	500	%
Tensile stress at yield	ISO 527	36	MPa
MRS classification	ISO 9080	10	MPa
Impact			
Charpy notched impact strength	ISO 179		
(0°C °C)		6	kJ/m ²
(23 °C)		61	kJ/m ²
Thermal			
Melting temperature	DSC	153	°C

Additional Properties

Processing: The recommended conditions will depend on the type of equipment in use and the size and wall thickness of the pipe or profile.

Recommended melt temperatures: 200-230 °C

Recommended injection moulding temperatures: 200-280 °C

Recommended extrusion temperatures: 200-230 °C

