Technical Data Sheet

Hostalen PP XN125-P

Polypropylene, Random Copolymer

Product Description

Hostalen PP XN125-P is a natural colored polypropylene random copolymer. The product *Hostalen* PP XN125-P has been classified through ISO 9080 and according to ISO 12162 as PP125. The regression curves of *Hostalen* PP XN125-P are above the reference lines of PP-RCT mentioned in DIN 8077, DIN 8078 and EN ISO15874 standards for piping applications under pressure. *Hostalen* PP XN125-P is typically used by customers in the application pressure piping systems for hot and cold water. For further details about the suitable applications for this material please contact LyondellBasell.

This grade is not intended for medical and pharmaceutical applications.

This grade is supported for use in drinking water applications.

Application	Drinking Water Pipe; Plumbing, Heating & Cooling
Market	Industrial, Building & Construction; Pipe
Processing Method	Injection Molding; Pipe
Attribute	Random Copolymer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate			
(230 °C/2.16 kg)	0.2	g/10 min	ISO 1133-1
(230 °C/5.0 kg)	1.1	g/10 min	ISO 1133-1
(190 °C/5.0 kg)	0.55	g/10 min	ISO 1133-1
Density	905	kg/m³	ISO 1183-1
Mechanical			
Tensile Modulus	850	MPa	ISO 527-1, -2
Tensile Stress at Yield	26	MPa	ISO 527-1, -2
Tensile Strain at Break	400	%	ISO 527-1, -2
Tensile Strain at Yield	12	%	ISO 527-1, -2
MRS Classification	12.5	MPa	ISO 9080
Impact			
Charpy Impact Strength - Notched			
(23 °C)	60	kJ/m²	ISO 179-1/1eA
(0 °C)	8	kJ/m²	ISO 179-1/1eA
(-20 °C)	2	kJ/m²	ISO 179-1/1eA
Thermal			
Deflection Temperature Under Load, (0.45 MPa, Unannealed)	70	°C	ISO 75B-1, -2
Oxidation Induction Time, (210 °C)	40	min	ISO 11357-6
DSC Melting Point	136	°C	DSC