

Polybutene-1 PB 4235-1 Ivory

Polybutylene

LyondellBasell Industries

Message:

Polybutene-1 grade PB 4235-1 ivory is a highly isotactic polyolefin manufactured from butene-1 monomer. The product provides excellent long term hydrostatic strength also at elevated temperatures combined with high flexibility.

PB 4235-1 complies with requirements specified in ISO 15826, ISO 12230, DIN 16968; DIN 16969 and many other National Standards for PB-1 pipe applications.

The grade is typically used for extrusion into pipe and injection moulding into fittings for non-potable heating water applications.

PB 4235-1 is available in ivory colour in pellet form..

PB 4235-1 is not being sold for pipe applications in North America.

The grade is not intended for medical or pharmaceutical applications.

General Information			
Features	High isotactic Homopolymer Weldable Good creep resistance Good flexibility Thermal stability, good		
Uses	Industrial application Piping system Building materials Accessories Consumer goods application field		
Appearance	Ivory		
Forms	Particle		
Processing Method	Pipeline extrusion molding Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.60	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 8986-2
Yield, molding	19.0	MPa	ISO 8986-2
Fracture, molding	30.0	MPa	ISO 8986-2
Tensile Strain ¹ (Break, Compression Molded)	250	%	ISO 8986-2
Flexural Modulus	450	MPa	ISO 178

Injection	Nominal Value	Unit
Processing (Melt) Temp	200 - 240	°C
Extrusion	Nominal Value	Unit
Melt Temperature	180 - 200	°C
Extrusion instructions		
Vacuum: 30 mbar - 60 mbarCooling water temperature: 10°C - 12°C		
NOTE		

1. Measured on specimens
conditioned for 10 days at 20°C

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