Hostalen PP H1022

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Hostalen PP H1022 is a natural, basic stabilisation polypropylene blockcopolymer with high melt viscosity and excellent low-temperature impact strength. The material Hostalen PP H1022 has not been tested and therefore has not been certified for pressure applications. For further details about the suitable applications for this material please contact LyondellBasell.
Hostalen PP H1022 is not intended for medical and pharmaceutical applications.

General Information	
Additive	Antioxidation
Features	Block Copolymer Antioxidation Low temperature impact resistance Viscosity, High
Uses	Industrial application
Forms	Particle
Processing Method	Pipeline extrusion molding Extrusion blow molding Sheet extrusion molding Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.901	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/5.0 kg	0.50	g/10 min	ISO 1133
230°C/2.16 kg	0.30	g/10 min	ISO 1133
230°C/5.0 kg	1.3	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 3 sec)	66		ISO 868
Ball Indentation Hardness (H 132/30)	50.0	MPa	ISO 2039-1
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus - Secant (23°C)	1200	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	25.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	10	%	ISO 527-2/50
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-30°C	3.0	kJ/m²	ISO 179
0°C	7.0	kJ/m²	ISO 179
23°C	35	kJ/m²	ISO 179

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	75.0	°C	ISO 75-2/B
Vicat Softening Temperature	149	°C	ISO 306/A50
Melting Temperature (DSC)	165	°C	ISO 3146
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	200 - 280	°C	
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	200 - 230	°C	

Recommended distributors for this material

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