

Hostalen PP H1022 12

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Hostalen PP H1022 12 is a black coloured, basic stabilisation polypropylene blockcopolymer with high melt viscosity and excellent low-temperature impact strength.

The material Hostalen PP H1022 12 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 12 is not intended for medical and pharmaceutical applications.

General Information			
Additive	Antioxidation		
Features	Block Copolymer		
	Antioxidation		
	Low temperature impact resistance		
	Viscosity, High		
Appearance	Black		
Forms	Particle		
Processing Method	Pipeline extrusion molding		
	Sheet extrusion molding		

Physical	Nominal Value	Unit	Test Method
Density	0.908	g/cm ³	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)	1400	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	30.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	13	%	ISO 527-2/50
Tensile Creep Modulus			ISO 899-1
1 hr	1020	MPa	ISO 899-1
1000 hr	500	MPa	ISO 899-1

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	4.0	kJ/m ²	ISO 179

0°C	21	kJ/m ²	ISO 179
23°C	120	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	75.0	°C	ISO 75-2/B
1.8 MPa, not annealed	52.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	157	°C	ISO 306/A50
--	75.0	°C	ISO 306/B50
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	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

