

# Hostalen PP W2080

Polypropylene Homopolymer

LyondellBasell Industries

## Message:

Hostalen PP W2080 is an ultra high fluidity homopolymer polypropylene suitable for thin walled injection moulding applications and as base resin for compounding applications. The product combines a good stiffness with good impact resistance. In addition a good dimensional stability is given. Hostalen PP W2080 is used for items with long flow paths as well as for long/medium glass fibre reinforced recipes (GMT/LFT). Hostalen PP W2080 contains neither nucleation agents nor antistaticums or slip/antiblock agents. It contains a longterm high temperature stabilization and metal deactivation package. The material is available in natural pellet form.

For regulatory information please refer to Hostalen PP W2080 Product Stewardship Bulletin ( PSB ).

It is not intended for medical and pharmaceutical applications.

General Information			
Additive	Heat Stabilizer		
	Metal Deactivator		
Features	Good Heat Aging Resistance		
	Good Impact Resistance		
	Good Stiffness		
	Good Thermal Stability		
	Heat Stabilized		
	High Flow		
	Homopolymer		
Uses	Industrial Applications		
	Thin-walled Parts		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	50	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	78.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1350	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	30.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	9.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	90	kJ/m <sup>2</sup>	ISO 179

Notched Izod Impact Strength (23°C)	1.5	kJ/m <sup>2</sup>	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	90.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	57.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	154	°C	ISO 306/A50
--	95.0	°C	ISO 306/B50
Melting Temperature (DSC)	163	°C	ISO 3146

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#### Recommended distributors for this material

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