

POLIMAXX P901BL

IRPC Public Company Limited - High Density Polyethylene

General Information

Product Description

P901BL is blue HDPE pipe compound produced by an advanced bimodal Hostalen process. It contains a combination of additives, stabilizers and well dispersed pigment to ensure excellent properties; high thermal stability, good chemical resistance, good processability. P901BL is designed for water pipe application and can be used for co-extrusion of blue stripes.

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Additive	• Pigment	• Unspecified Additive	
Features	• Chemical Resistant	• Good Thermal Stability	
	• Good Processability	• High Density	
Uses	• Piping		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.25	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	3340	psi	ISO 527-2
Tensile Stress (Break)	4790	psi	ISO 527-2
Tensile Strain (Break)	> 700	%	ISO 527-2
Resistance to Slow Crack Growth	> 500	hr	ISO 13479
Thermal	Nominal Value	Unit	Test Method
Oxidation Induction Time (410°F)	> 50	min	ISO 11357
Additional Information	Nominal Value	Unit	Test Method
Minimum Required Strength	1450	psi	ISO 9080
Rapid Crack Propagation	> 145	psi	ISO 13477

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	356 to 428	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

