Manufacturer website: https://www.irpc.co.th/en/

TECHNICAL DATA SHEET
REV20240408

POLIMAXX

P901BL

High Density Polyethylene Compound (HDPE Compound) / Pipe Extrusion

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.

INDUSTRY

- Water Pressure Pipe
- Plumbing and Drinking Water Pipe
- Co-extrusion for blue stripes

PRODUCT FEATURE

- Corresponds to PE100
- Great processibility and Stability
- Long Service Life

REGULATION COMPLIANCE

- Please contact our staff

PHYSICAL PROPERTIES	TEST METHOD	UNIT	VALUE*
Melt Flow Rate (190°C / 5 kg)	ISO 1133	g/10 min	0.25
Density	ISO 1183	g/cm^3	0.950
Pigment Dispersion	ISO 18553	-	< grade 3
Water Content	ISO 15512	ppm	≤ 300
Volatile Content	ISO 12099	ppm	≤ 350
MECHANICAL PROPERTIES			
Tensile Strength at Yield	ISO 527	MPa	≥ 20
Tensile Strength at Break	ISO 527	MPa	≥ 24
Elongation at Break	ISO 527	%	≥ 600
Resistance to Stress Crack Growth (SDR11, D=110, 80°C , 9.2 bar)	ISO 13479	hrs	≥ 500
THERMAL PROPERTY			
Oxidation Induction time at 210°C	ISO 11357	min	> 50

*The properties can vary significantly depending on the incoming source and supply capability.

Remark: The values presented on the above are typical laboratory, not to be construed as specifications and may vary within moderate ranges. The applicability or the accuracy of this information or the suitable of our products cannot be guaranteed because the conditions of use on the part or our uses are beyond our control.

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PROCESSING TECHNIQUE

Process Temperature	180 - 220°C

*However, the actual processing conditions depend on mold design, power of machine, equipment and other environments.

PRODUCT PACKAGING

- 25 kg loose bag
- 750 kg Jumbo bag

For further information, contact the IRPC's sales representative.

STORAGE

The resin should be stored in a dry location with good housekeeping practices during storage, transferring and handling. Process enclosures and adequate ventilation should be used to avoid excessive dust accumulation. Resin should be protected from direct sunlight, temperatures above 38°C (100°F) and high atmospheric humidity during storage. Higher storage temperatures may reduce the storage time. The container should be kept closed to prevent contamination. For the additional recommended storage conditions, please refer to SDS.

SAFETY

This product is not classified as hazardous material for more information please refer to safety data sheet.

RECYCLING

It is an undisputed fact that the product can be recycled or disposed of without any problem.

DISCLAIMER

The data indicated above are the results of our investigations, knowledge and correspond to the state of the art as of the date of publication and the data refer to the state of the laws at the date of issue and this information expires after a break in delivery lasting more than 12 months or in case of regulatory changes. This statement is not intended and should not be construed as specification, warranty or representation of any sort for which IRPC would be legal responsibility. The applicability or the accuracy of this statement or the suitable of our products cannot be guaranteed because the conditions of use on the part our uses are beyond our control. IRPC gives no guarantees or makes no warranties which extend beyond the description above herein. Nothing herein shall constitute any implied guaranty or warranty of merchantability or fitness for a particular purpose. In the case that IRPC's products are used in combination with other materials, no liability can be accepted. When not utilized in combination with any third-party products, the information included above refers only to our products. Please ask IRPC for a new information if needed. All terms and conditions regarding the supply of IRPC's products shall be subject to IRPC's Policy, in the case of a dispute, the Company's decision is final and is not subject to any appeal.

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