

HIDEN® P600 BL

High Density Polyethylene

YUHWAW Korea Petrochemical Ind. Co., Ltd.

Message:

HIDEN® P600 BL is a High Density Polyethylene material. It is available in Asia Pacific.

Important attributes of HIDEN® P600 BL are:

RoHS Compliant

Creep Resistant

Typical applications include:

Plumbing/Piping/Potable Water

Food Contact Applications

General Information			
Features	Good Creep Resistance		
Uses	Piping		
Agency Ratings	FDA Food Contact, Unspecified Rating		
	PPI PE-100		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.21	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	> 5000	hr	ASTM D1693
Carbon Black Content	2.3	%	ISO 6964
Carbon Black Dispersion	< 3		ISO 18553
Oxidation Induction Time (200°C)	> 60	min	ASTM D3895
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	40		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.5	MPa	ASTM D638
Tensile Elongation (Break)	> 600	%	ASTM D638
Flexural Modulus	932	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	> 490	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	65.0	°C	ASTM D648
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	124	°C	ASTM D1525
Peak Melting Temperature	133	°C	ASTM D3418

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Recommended distributors for this material

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