

HDPE PE100

YUHWA HIDEN P600 BL

Features
and Uses

Properties

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|--------------------|--|----------------------|---------------------|--------------------|
| Application | HDPE PE100 | | | |
| Features | PE100, Excellent Creep Resistance, SCG, RCP, Color:Black | | | |
| Uses | Gas Pipes, Water Supply and Drain Pipes | | | |
| | Items | Specification | Unit | Test Method |
| | Melt Index (5kg) | 0.23 | g/10min. | ASTM D1238 |
| | Density | 0.961 | g/cm ³ | ASTM D1505 |
| | Tensile Strength at Yield | 230 | kgf/cm ² | ASTM D638 |
| | Elongation at Break | >600 | % | ASTM D638 |
| | Flexural Modulus | 9,500 | kgf/cm ² | ASTM D790 |
| | Hardness (Rockwell) | 62 | shore D | ASTM 2240 |
| | Impact Strength (Izod with Notch) | >50 | kgf cm/cm | ASTM D256 |
| | Environment Stress Cracking Resistance | >5,000 | hr, F50 | ASTM D1693 |
| | Melting Point | 130 | °C | ASTM D3418 |
| | Softening Point (Vicat) | 124 | °C | ASTM D1525 |
| | Oxidation Induction Time at 200°C | >60 | min | ASTM D3895 |
| | Heat Deflection Temperature | 65 | °C | ASTM D648 |
| | Brittleness Temperature | <-70 | °C | ASTM D746 |
| | Carbon Black Content | 2.3 | % | ISO 6964 |
| | Carbon Black dispersion | <3 | Grade | ISO 18553 |