



KOREA PETROCHEMICAL IND. CO., LTD.

HDPE PE100

YUHWA HIDDEN P600 BL

Features and Uses

| | |
|--------------------|--|
| Application | HDPE PE100 |
| Features | PE100, Excellent Creep Resistance, SCG, RCP, Color:Black |
| Uses | Gas Pipes, Water Supply and Drain Pipes |

Properties

| 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 | kg/cm ² | ASTM D638 |
| Elongation at Break | >600 | % | ASTM D638 |
| Flexural Modulus | 9,500 | kg/cm ² | ASTM D790 |
| Hardness (Rockwell) | 62 | shore D | ASTM 2240 |
| Impact Strength (Izod with Notch) | >50 | kg, 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 |

※ Above data are intended to serve as guides only, and are not sales specification limits.

Contact Info.

| Division | Team in charge | TEL | FAX | e-mail |
|---------------------|------------------------|----------------------|----------------------|-------------------|
| International Trade | KPICC | 82-2-3706-0844, 0849 | 82-2-3706-0893, 0894 | trade@kpicc.com |
| Technical Service | Marketing Support Team | 82-2-2122-1537 | 82-2-2122-1519 | H15106@kpic.co.kr |



KOREA PETROCHEMICAL IND. CO., LTD.

YOONAM Bldg 77, Jahamun-ro, Jongno-gu, Seoul, 03035, Rep of

Korea Homepage: www.kpic.co.kr

TEL: 82-2-2122-1422 FAX: 82-2-2122-1519 e-mail: master@kpic.co.kr