



Data Sheet  
Date Prepared:

## MDPE DX800

YUCLAIR DX800 is controlled medium density ethylene-1-octene-copolymer polyethylene for substituting XLPE. YUCLAIR DX800 offers excellent long term hydrostatic strength and brilliant pipe surface combined with good processability. It contains UV-stabilizer, for use in product requiring out-door weathering resistance.

### Application / Use Case

Pipe / Heating pipe, Pipe for hot & cold water, Type I

### Characteristic

Long Term Hydrostatic Strength, Processability, Classified as PE-RT Class

### Specification

|            | Specification | Unit              | Test Method |
|------------|---------------|-------------------|-------------|
| Density    | 0.9335        | g/cm <sup>3</sup> | ASTM D1505  |
| Melt Index | 0.64          | g/10min           | ASTM D1238  |

### Physical Properties

|                                     | Value  | Unit               | Test Method |
|-------------------------------------|--------|--------------------|-------------|
| Softening Point(Vicat)              | 123    | °C                 | ASTM D1525  |
| Tensile Strength at Break           | 390    | kg/cm <sup>2</sup> | ASTM D882   |
| Elongation at Break                 | 800    | %                  | ASTM D882   |
| IZOD Impact Strength(Notched, 23°C) | NB     | kg·cm/cm           | ASTM D256   |
| ESCR                                | >10000 | hr                 | ASTM D1693  |
| Melting Point                       | 0.9335 | °C                 | ASTM D2117  |
| Flexural Modulus                    | 4600   | kg/cm <sup>2</sup> | ASTM D790   |
| Hardness                            | 53     | Shore D            | ASTM D2240  |

These are typical properties only, and are not to be construed as specific limits.

Head Office 99 Seorin-dong, Jongno-gu, Seoul 110-110, Korea  
Tel. 82-2-2121-5114 Fax. 82-2-2121-7001  
SK Institute of Technology 140-1 Woncheon-dong, Yuseong-gu, Taejeon, Korea  
Tel. 82-42-866-7624 Fax. 82-42-866-7603  
Online [www.skglobalchemical.com](http://www.skglobalchemical.com)  
[www.skchem.com](http://www.skchem.com)

ISO 9001 Certified

