



## HDPE APAK PE 100

HDPE is an acronym for High Density Polyethylene. High Density Polyethylene is a polyethylene thermoplastic made from petroleum. HDPE is commonly recycled and made into composite wood or plastic lumber.

HDPE APAK PE 100 is a natural pipe grade resin which is manufactured by suspension polymerization of ethylen monomer, HDPE APAK PE 100 is a bi-model high density polyethylene with I-Butene as co monomer.

| Test/Composition                         | Typical Value                | Unit               | ASTM Method |
|--|------------------------------|--------------------|-------------|
| Density                                  | 0.948                        | g/m <sup>3</sup>   | ISOI 183    |
| FRR 21.6/5                               | 28                           |                    |             |
| Hydrostatic Strength (80 <sup>o</sup> c) | 5000 (4.5N/mm <sup>2</sup> ) | h                  | ISOI 167    |
| MFR1900/21.6                             | 6.2                          | g/10 min           | ISOI 133    |
| MFR1900/5                                | 0.22                         | g/10 min           | ISOI 133    |
| Notched Impact (230c)                    | 24                           | mJ/mm <sup>2</sup> | ISO179/1eA  |