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|-----------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------------------------------|--------|
|  | <b>TYPICAL DATA SHEET*</b> | ISSUE DATE                                                                      | Feb-15 |
|                                                                                   | GRADE                      | <a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>                                    |        |
|                                                                                   | <b>HD5406EA</b>            | IRAN/TABRIZ/TABRIZ PETROCHEMICAL<br>COMPANY/P.O.BOX:51745-354/TEL:+984114282612 |        |

HD5406EA is high density polyethylene copolymer containing butene-1(C4) as comonomer.

It is suitable for producing of ropes and plastic nets.

HD5406EA has the following characteristics:

good impact strength,excellent surface finish,good tensile parameters.

Applications:

filament,ropes,plastic nets.

| PROPERTY                | UNIT    | TEST METHOD | TYPICAL VALUE |
|-------------------------|---------|-------------|---------------|
| MELT FLOW INDEX(2.16KG) | g/10min | ASTM D-1238 | 0.6           |
| DENSITY                 | gr/cm3  | ASTM D-1505 | 0.954         |
| TENSILE STRESS AT YEILD | MPA     | ASTM D-638  | 25            |
| TENSILE STRESS AT BREAK | MPA     | ASTM D-638  | 30            |
| ELONGATION AT YEILD     | %       | ASTM D-638  | 7             |
| ELONGATION AT BREAK     | %       | ASTM D-638  | 900           |
| IZOD IMPACT             | KJ/M2   | ASTM D-256  | 40            |
| WITHENESS INDEX         | -       | ASTM E-313  | 50            |
| YELLOW INDEX            | -       | ASTM E-313  | -1            |
| VICAT SOFTENING POINT   | °C      | ASTM D-1525 | 120           |

\* All above mentioned data are typical values and not to be construed as real specifications.Users should confirm results by their own tests.For more information about guaranteed items, please refer to S.S.S.(Standard Sales Specifications)

Grade Suffix(Additive Indication):

EA:GENERAL ANTIOXIDANT