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|---|----------------------------|---|--------------------|
|  | <b>TYPICAL DATA SHEET*</b> | <b>ISSUE DATE</b>   | <b>26/sep/2022</b> |
|   | <b>POLYPROPYLENE</b>       | <a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>                                    |                    |
|   | <b>PPH-HD-225</b>          | IRAN/TABRIZ/TABRIZ PETROCHEMICAL<br>COMPANY/P.O.BOX:51745-354/TEL:+984134282612 |                    |

PPH-HD-225 is homopolymer grade with isotactic degree around 94% in form of powder without stabilizers. This grade has low molecular weight with good fluidity.

**APPLICATION:**

General coating applications.

| PROPERTIES                                 | UNIT     | TEST METHOD | VALUE |
|--|----------|-------------|-------|
| <b>MFI (@230°C &amp; 2.16KG)</b>           | GR/10MIN | ISO1133     | 22    |
| <b>DENSITY</b>                             | GR/CM3   | ASTM D1505  | 0.9   |
| <b>ISOTACTIC DEGREE</b>                    | %        | ISO 9113    | >=94  |
| <b>ASH CONTENT</b>                         | PPM(WT)  | ISO 3451-1  | <=350 |
| <b>CHLORINE CONTENT</b>                    | PPM(WT)  | ENCO METHOD | <=100 |
| <b>VOLATILE CONTENT</b>                    | %WT      | ENCO METHOD | <=0.2 |
| <b>BULK DENSITY</b>                        | GR/CM3   | ASTM D1895  | 0.43  |
| <b>TENSILE STRENGTH AT YEILD(50mm/min)</b> | MPA      | ISO 527     | 33    |
| <b>ELONGATION AT YEILD(50mm/min)</b>       | %        | ISO 527     | 9     |
| <b>FLEXURAL MODULUS</b>                    | MPA      | ISO 178     | 1450  |
| <b>NOTCHED IZOD IMPACT(@23°C)</b>          | KJ/M2    | ISO 180/1A  | 3     |
| <b>ROCKWELL HARDNESS</b>                   | R SCALE  | ASTM D785   | 100   |
| <b>HDT(0.46N/mm2)</b>                      | °C       | ISO 75/B    | 85    |
| <b>VICAT SOFTENING POINT(10N)</b>          | °C       | ISO 306A    | 154   |
| <b>MELTING POINT(DSC)</b>                  | °C       | ISO 11357-1 | 163   |

\*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).