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|---|----------------------------|---|--------|
|  | <b>TYPICAL DATA SHEET*</b> | ISSUE DATE  | Jul-17 |
|   | GRADE                      | <a href="http://WWW.TPCO.IR">WWW.TPCO.IR</a>                                    |        |
|   | <b>HIPS6630</b>            | IRAN/TABRIZ/TABRIZ PETROCHEMICAL<br>COMPANY/P.O.BOX:51745-354/TEL:+984134282612 |        |

HIPS6630 is high impact polystyrene for the injection molding industry. This grade has been designed to diluted with crystal polystyrene.

The high melt flow index of this grade makes it particularly suited for fact cycling injection molding.

HIPS6630 is available in white color.

Applications:

general injection molding, computer keyboards, toys, spools

| PROPERTY                                 | UNIT    | TEST METHOD                            | TYPICAL VALUE |
|--|---------|--|---------------|
| MELT FLOW INDEX(200°C-5KG)               | g/10min | ASTM D-1238                            | 13            |
| STYRENE RESIDUAL MONOMER                 | PPM     | CLG LABPSG004<br>(ATOFINA TEST METHOD) | <500          |
| VICAT SOFTENING POINT<br>( 50 °C/hr 1kg) | °C      | ASTM D-1525                            | 91            |
| ROCKWELL HARDNESS                        | -       | ASTM D-785                             | SCALE/L70     |
| TENSILE STRESS AT YEILD                  | MPA     | ASTM D-638                             | 24            |
| TENSILE STRESS AT BREAK                  | MPA     | ASTM D-638                             | 24            |
| ELONGATION AT BREAK                      | %       | ASTM D-638                             | 45            |
| TENSILE MODULUS                          | MPA     | ASTM D-638                             | 3110          |
| IZOD IMPACT                              | KJ/M2   | ISO180                                 | 5             |

\* 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)

Density and shrinkage of this grade are approximately around 1.04 kg/lit & (0.4-0.7%)(ASTM D-955) respectively.

All test are carried out at 23°C , unless otherwise stated.