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|  | TYPICAL DATA SHEET* | ISSUE DATE | Feb-17 |
| | GRADE | WWW.TPCO.IR | |
| | SH0150 | IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612 | |

SH-0150 is a high flow acrylonitrile butadiene styrene (ABS) grade with good toughness, high impact strength, excellent mechanical and low-temperature properties. Exhibits good processability, vacuum formability, chemical resistance and dimensional stability. This grade is suitable for processing by extrusion. Used in vacuum formed general thin sheets and refrigerator liner sheets.

Applications:

Parts with significant impact resistance, general sheets.

Drying:

Drying prior to processing is recommended in a desiccant dehumidifying hopper dryer. An inlet air dew point of -20°F (-29°C) or below is recommended to achieve a moisture content 0.1%. Typical drying conditions are 2 hours at 180° - 190°F (82° - 88°C). Drying for 4 hours at 160° - 170°F (71°-77°C) is also adequate.

| PROPERTY | UNIT | TEST METHOD | TYPICAL VALUE |
|---------------------------------|----------|-------------|---------------|
| MELT FLOW INDEX (200°C/5KG) | GR/10MIN | ASTM D-1238 | 1.1 |
| IZOD IMPACT STRENGTH | KJ/M2 | ASTM D-256 | 22 |
| VICAT SOFTENING POINT(50N LOAD) | °C | ASTM D-1525 | 100 |
| BULK DENSITY | KG/M3 | - | 600 |
| TENSILE STRENGTH AT YEILD | KGF/CM2 | ASTM D-638 | 420 |
| ROCKWELL HARDNESS(AT 23°C) | R.SCALE | ASTM D-785 | 107 |

*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)