

## EX5 (9450 F)

is a high molecular weight high density polyethylene with 1-Butene as co monomer.  
It combines good stiffness and tenacity.

| PROPERTY                         | TEST METHOD  | UNIT              | TYPICAL VALUE* |
|----------------------------------|--------------|-------------------|----------------|
| Mass density<br>(23°C)           | ISO 1183     | g/cm <sup>3</sup> | 0.949          |
| Melt Flow Rate (190°C/5kg)       | ISO 1133     | g/10min           | 0.28           |
| Melt Flow Rate<br>(190°C/21.6kg) | ISO 1133     | g/10min           | 8              |
| Stress at yield                  | ISO 527      | MPa               | 24             |
| Stress at Break                  | ISO 527      | MPa               | 35             |
| Softening Temperature            | ISO 306      | °C                | 75             |
| Brittle Temperature              | ASTM D746-72 | °C                | < - 80         |
| Shore D hardness                 | ISO 868      |                   | 60             |
| Application Properties           |              |                   |                |
| Max. Tensile strength MD/TD      | ISO 527      | MPa               | 45/40          |
| Tear strength MD/TD              | ISO 6383-2   | mN                | 200/450        |
| Max. elongation MD/TD            | ISO 527      | %                 | 400/450        |
| Dart Drop Impact                 | ASTM D1709   | 8                 | 220            |

\* Typical values not to be construed as specifications.

\*\* Blown film: thickness 20 µm, extruded at melt temperature of 200°C and a blow up ratio 4:1

### Applications:

- Film extrusion
- Counter bag, carrier bag
- Wrapping films

Marun petrochemical company

021-55 15 1234

[www.erisplast.ir](http://www.erisplast.ir)

[www.erisplast.com](http://www.erisplast.com)

Address: No. 68, Ghaffari Alley, East 15 Khordad St., Tehran

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021-55 15 1234

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Address: No. 68, Ghaffari Alley, East 15 Khordad St., Tehran