

## HDPE F 6095

### DESCRIPTION

F 6095 is a high molecular weight, high density polyethylene copolymer with broad molecular weight distribution. Films made from F 6095 exhibits high strength and high stiffness as well as excellent drawdown at high extrusion rate. Apart from film applications, F 6095 could also be used for blow molding and non-pressure pipes.

### TYPICAL PROPERTY VALUES

| PROPERTIES                                | TYPICAL VALUE | UNITS             | TEST METHODS BASED ON |
|-------------------------------------------|---------------|-------------------|-----------------------|
| <b>RESIN PROPERTIES</b>                   |               |                   |                       |
| Density                                   | 0.952         | g/cm <sup>3</sup> | ISO 1183-1            |
| Melt Flow Rate (190°C/21.6kg)             | 10.0          | g/10min           | ISO 1133-1            |
| Peak Melting Temperature                  | 135           | °C                | ISO 11357-3           |
| <b>FILM PROPERTIES</b>                    |               |                   |                       |
| Tensile Strength at Yield - MD            | 30.1          | MPa               | ISO 527-3             |
| Tensile Strength at Yield - TD            | 22.6          | MPa               | ISO 527-3             |
| Tensile Strength at Break - MD            | 57.8          | MPa               | ISO 527-3             |
| Tensile Strength at Break - TD            | 41.8          | MPa               | ISO 527-3             |
| Elongation at Break - MD                  | 349           | %                 | ISO 527-3             |
| Elongation at Break - TD                  | 629           | %                 | ISO 527-3             |
| 1% Secant Modulus - MD                    | 1133          | MPa               | ASTM D882             |
| 1% Secant Modulus - TD                    | 1379          | MPa               | ASTM D882             |
| Elmendorf Tear Strength - MD <sup>1</sup> | 92            | mN                | ISO 6383-2            |
| Elmendorf Tear Strength - TD              | 1082          | mN                | ISO 6383-2            |
| Dart Drop Impact                          | 137           | g                 | ISO 7765-1            |

### APPLICATIONS

- Grocery Bags
- Lamination Films
- Trash Bags
- Liners
- Heavy Duty Sacks
- Collation Shrink Films

### NOTES

These are typical properties only and are not to be construed as specifications.

<sup>1</sup> MD tear strength is measured on a group of 5 specimens simultaneously.

### LEGAL STATEMENT

Contact your BASF customer service representative for potential food contact application compliance (e.g. FDA, EU, GB). This product is not intended for use in medical applications and should not be used in any such applications.

### PROCESSING / HANDLING

Film properties are measured on 17µm blown film produced via high stalk process with processing conditions: die diameter 50mm, die gap 1.2mm, blow up ratio 4:1, melt temperature 200°C.

### DISCLAIMER

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