

## - High Density Polyethylene

Friday, June 30, 2017

### General Information

#### General

|                   |                      |
|-------------------|----------------------|
| Material Status   | • Commercial: Active |
| Availability      | • Asia Pacific       |
| Features          | • General Purpose    |
| Uses              | • Piping             |
| Processing Method | • Extrusion          |

### ASTM & ISO Properties <sup>1</sup>

| Physical                                  | Nominal Value | Unit     | Test Method |
|---|---------------|----------|-------------|
| Specific Gravity                          | 1.18          |          | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (190°C/10.0 kg) | 30 to 50      | g/10 min | ASTM D1238  |
| Carbon Black Content                      | 35            | %        | ASTM D1603  |
| Moisture Content                          | < 0.20        | %        | ASTM D3030  |
| Thermal                                   | Nominal Value | Unit     | Test Method |
| Oxidation Induction Time (392°F)          | > 60          | min      | ASTM D3985  |

#### Additional Information

Recommended dosage in HDPE: 7%

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

#### Teknor Apex Company Corporate Headquarters

*In U.S. for Vinyls, TPEs, Colorants,  
Engineered Thermoplastics (Chem Polymer)*

505 Central Avenue  
Pawtucket, Rhode Island 02861 U.S.

Phone: 401-725-8000  
Fax: 401-725-8095  
Toll Free (U.S. only) 800-556-3864

info@teknorapex.com

#### Teknor Apex U.K. Ltd.

Tat Bank Road  
Oldbury, West Midlands B69 4NH England

Phone: (44) 121-665-2100  
Fax: (44) 121-544-5530

etpsales@teknorapex.co.uk

上海松翰塑化科技有限公司  
 TEKNOR APEX 特诺尔爱佩斯 一级分销商  
 teknorapex.shshsj.com 联系电话: 021-58958519

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