



## HYPEL® PEHD30/.950

Entec Polymers - High Density Polyethylene

Tuesday, November 5, 2019

### General Information

#### General

|                 |                      |
|-----------------|----------------------|
| Material Status | • Commercial: Active |
| Availability    | • North America      |
| Features        | • High Density       |
| RoHS Compliance | • RoHS Compliant     |
| Forms           | • Pellets            |

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

| Physical                            | Nominal Value | Unit     | Test Method             |
|-------------------------------------|---------------|----------|-------------------------|
| Density / Specific Gravity          | 0.952         |          | ASTM D792               |
| Melt Mass-Flow Rate (190°C/2.16 kg) | 30            | g/10 min | ASTM D1238              |
| Mechanical                          | Nominal Value | Unit     | Test Method             |
| Tensile Strength (Yield, 73°F)      | 3350          | psi      | ASTM D638               |
| Tensile Elongation (Break, 73°F)    | 200           | %        | ASTM D638               |
| Flexural Modulus (73°F)             | 140000        | psi      | ASTM D790               |
| Hardness                            | Nominal Value | Unit     | Test Method             |
| Durometer Hardness (Shore D)        | 62            |          | ASTM D2240              |
| Thermal                             | Nominal Value | Unit     | Test Method             |
| Vicat Softening Temperature         | 248           | °F       | ASTM D1525 <sup>2</sup> |

#### Notes

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

<sup>2</sup> Rate A (50°C/h), Loading 1 (10 N)