

TGH 65510

High Density Polyethylene

Product Description

TGH65520 is a high-density polyethylene with medium molecular weight. This grade which is produced by 1-hexene as a co-monomer, offer excellent combination of toughness, stress cracking resistance, good mechanical properties and good process-ability. TGH65520 has been manufactured under TÉCNICAS GÁS licensed technology.

General Information

- **Status Commercial:** Active
- **Application:** Multipurpose blow molding process - Small blow molded articles- Containers for household and industrial chemicals- Automotive supplies- Foodstuffs- Toiletries and cosmetics.
- **Form(s):** Pellet
- **Attribute:** Good ESCR, Good Stiffness and toughness, Good Process-ability.
- **Additives:** Antioxidant: Yes Processing Aid: No Antiblock: No Slip Agent: No

| | TYPICAL PROPERTIES | TYPICAL VALUE | UNIT | TEST METHOD |
|------------|--------------------------------------------|---------------|----------|-------------|
| PHYSICAL | High Load Melt Flow Index (190oC/ 21.6 kg) | 23 | g/10 min | ISO 1133 |
| | Density | 0.955 | g/cm3 | ISO 1183 |
| MECHANICAL | Tensile Modulus of Elasticity | 2000 | MPa | ISO 527-1,2 |
| | Tensile Stress at Yield | 28 | MPa | ISO 527-1,2 |
| | Tensile Stress at Yield | 9 | % | ISO 527-1,2 |
| | ESCR | 30 | hrs | TG method |
| THERMAL | Vicat Softening Temperature (Method A/10N) | 79 | °C | ISO 306 |

NOTED: