

Jam HM-5010T2N (EX3)

High Density Polyethylene
Jam Petrochemical Company

Message:

HM-5010T2N (PE80) is manufactured by the suspension lymerization of ethylene monomer. The polymerization is generally carried out in a batch process. HM-5010T2N grade is a pressure pipes grade for gas and water transportation. UV stabilization and pigments can be used during process.

Features
Tough and rigid pipe resin

Applications
This grade apply for Gas and water transportation. By use of stabilizers and pigments this grade is applied for piping under uv radiation in gas and liquid transportation.

| General Information | | | |
|---|-----------------------|-------------------|-------------|
| Additive | Antioxidation | | |
| | Lubricant | | |
| Features | Good Rigidity | | |
| | Antioxidation | | |
| | Good toughness | | |
| | Lubrication | | |
| Uses | Piping system | | |
| Forms | Particle | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.945 | g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) | | | ISO 1133 |
| 190°C/21.6 kg | 12 | g/10 min | ISO 1133 |
| 190°C/5.0 kg | 0.45 | g/10 min | ISO 1133 |
| Flow Rate Ratio - 21.6/5 | 27.0 | | |
| Hydrostatic strength ¹ (80°C) | 1000 | hr | ISO 1167 |
| Impact | Nominal Value | Unit | Test Method |
| Charpy Notched Impact Strength (23°C, Compression Molded) | 12 | kJ/m ² | ISO 179/1eA |
| NOTE | | | |
| 1. | 4.5 N/mm ² | | |

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