

Iran Petrochemical (PCC) 2602TH00 Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

Material Notes:

LDPE 2602TH00 high clarity film Applications: film, underblankets and films for medical applications. Information provided by Iran Petrochemical Commercial Co.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Iran-Petrochemical-PCC-2602TH00-Low-Density-Polyethylene.php

| Physical Properties | Metric | English | Comments |
|---------------------|--------------|---------------------------|----------|
| Density | 0.926 g/cc | 0.0335 lb/in ³ | ISO 1183 |
| Melt Flow | 1.9 g/10 min | 1.9 g/10 min | ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|------------------------------------|-----------|--------------|----------------|
| Film Tensile Strength at Yield, MD | 13.0 MPa | 1890 psi | ISO R527-1 |
| Film Tensile Strength at Yield, TD | 14.0 MPa | 2030 psi | ISO R527-1 |
| Film Elongation at Break, MD | >= 150 % | >= 150 % | ISO R527-1 |
| Film Elongation at Break, TD | >= 500 % | >= 500 % | ISO R527-1 |
| Modulus of Elasticity | 0.240 GPa | 34.8 ksi | MD; ISO R527-1 |
| | 0.260 GPa | 37.7 ksi | TD; ISO R527-1 |
| Tensile Impact | 150 J/cm | 281 ft-lb/in | ASTM D4272 |
| Coefficient of Friction | 1.0 | 1.0 | ASTM D1894 |
| Tear Strength | 40.0 kN/m | 228 pli | TD; ISO 6383-2 |
| | 90.0 kN/m | 514 pli | MD; ISO 6383-2 |
| Film Tensile Strength at Break, MD | 30.0 MPa | 4350 psi | ISO R527-1 |
| Film Tensile Strength at Break, TD | 20.0 MPa | 2900 psi | ISO R527-1 |

| Optical Properties | Metric | English | Comments |
|--------------------|--------|---------|-------------|
| Haze | 7.1 % | 7.1 % | ASTM D1003A |
| Gloss | 61 % | 61 % | ASTM D2457 |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Clarity, mV | 11 | Sabtec |

Descriptive Properties

Value

Comments

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