



MARPOL® LL4M 820-G

Marco Polo International, LLC - Linear Low Density Polyethylene

Friday, November 10, 2023

General Information

Product Description

MARPOL® LL4M 820-G is a LLDPE resin designed for blending and good processability.

Forms: Granules

General

| | | | |
|-----------------|--|-----------------------------|-----------------|
| Material Status | • Commercial: Active | | |
| Availability | • Africa & Middle East • Asia Pacific | • Europe • Latin America | • North America |
| Features | • Good Processability • Low Density | | |
| Uses | • Blending | | |
| Forms | • Granules | | |

ASTM & ISO Properties¹

| Physical | Nominal Value | Unit | Test Method |
|-------------------------------------|---------------|-------------------|-------------|
| Density | 0.925 | g/cm ³ | |
| Melt Mass-Flow Rate (190°C/2.16 kg) | 20 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 14.5 | MPa | ASTM D638 |
| Tensile Strength (Break) | 7.45 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 57 | % | ASTM D638 |
| Flexural Modulus - 1% Secant | 430 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 530 | J/m | ASTM D256 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 50 | | ASTM D2240 |

Notes

¹ Typical properties: these are not to be construed as specifications.