PA12

Grilamid® L 25 NZ

EMS-Chemie

Position #115 · Jinsutong Reference Catalog 2026

Resin Overview

PA12 · Impact Modified, Flexible. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	EMS-Chemie
Category	PA12 · Impact Modified, Flexible
Typical Use	Flexible tubing, cable jacketing

Key Properties

Density	1.02 g/cm³
MVR (235°C/5 kg)	15 cm³/10min
Melting Point (DSC)	176 °C
Tensile Strength at Yield	38 MPa
Elongation at Break	350%
Notched Izod Impact (23°C)	25 kJ/m²
HDT (0.45 MPa)	110 °C
Moisture Absorption (saturation)	0.8%

Key Features

- Impact modified for high flexibility
- High elongation for flex applications
- Low moisture absorption
- Chemical resistance to fuels

Processing Conditions

Melt Temperature	200-250 °C
Mold Temperature	40-80 °C
Drying	4-6 h @ 80 °C in desiccant dryer
Processing Methods	Extrusion (tubing), injection molding

Typical Applications

- Flexible fuel lines
- Cable jacketing
- Pneumatic tubing
- Flexible couplings

Regulatory & Compliance

- SAE J844
- DIN 73378
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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