PA12

# Vestamid® DX 9320

Evonik Industries

Position #114 · Jinsutong Reference Catalog 2026

## Resin Overview

PA12 · Plasticized, High Flexibility. Sourced from public manufacturer technical data sheets.

## This Grade

| | |
|---|---|
| **Manufacturer** | Evonik Industries |
| **Category** | PA12 · Plasticized, High Flexibility |
| **Typical Use** | Flexible tubing, cable jacketing |

## Key Properties

| | |
|---|---|
| **Density** | 1.02 g/cm³ |
| **MVR (235°C/5 kg)** | 8 cm³/10min |
| **Melting Point (DSC)** | 176 °C |
| **Tensile Strength at Yield** | 32 MPa |
| **Elongation at Break** | 320% |
| **Notched Izod Impact (23°C)** | 15 kJ/m² |
| **HDT (0.45 MPa)** | 100 °C |
| **Moisture Absorption (saturation)** | 0.9% |

## Key Features

- Plasticized 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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