ABS

MAGNUM™ 3525

Trinseo

Position #118 · Jinsutong Reference Catalog 2026

Resin Overview

ABS · High Impact, Extrusion. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	Trinseo
Category	ABS · High Impact, Extrusion
Typical Use	Sheet extrusion, thermoforming, refrigerator liners

Key Properties

MFR (220°C/10 kg)	4.5 g/10min
Density	1.05 g/cm³
Tensile Strength at Yield	43 MPa
Tensile Modulus	2300 MPa
Elongation at Break	25%
Notched Izod Impact (23°C)	20 kJ/m²
HDT (1.8 MPa)	90 °C
Melt Strength	High (thermoforming)

Key Features

- High melt strength for thermoforming
- Good chemical resistance to fats
- Suitable for refrigerator liners
- FDA food contact available

Processing Conditions

Melt Temperature	210-250 °C
Mold Temperature	40-80 °C
Drying	2 h @ 80 °C
Processing Methods	Sheet extrusion, thermoforming

Typical Applications

- Sheet extrusion thermoforming
- Refrigerator liners
- Sanitary ware
- Luggage shells

Regulatory & Compliance

- FDA 21 CFR 181.32
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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