ABS

MAGNUM™ 3504

Trinseo

Position #104 · Jinsutong Reference Catalog 2026

Resin Overview

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

This Grade

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

Key Properties

MFR (220°C/10 kg)	3.5 g/10min
Density	1.05 g/cm³
Tensile Strength at Yield	45 MPa
Tensile Modulus	2300 MPa
Elongation at Break	25%
Notched Izod Impact (23°C)	20 kJ/m²
HDT (1.8 MPa)	91 °C
Melt Strength	High (thermoforming grade)

Key Features

- High melt strength for thermoforming
- High gloss surface
- Good chemical resistance to fats
- 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

- Refrigerator inner liners
- Sheet thermoformed parts
- Sanitary ware
- Luggage shells

Regulatory & Compliance

- UL 94 HB
- RoHS compliant
- FDA 21 CFR 181.32

> ⚠ All data sourced from public manufacturer catalogs.

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