PC

Lexan® EXL1414

SABIC

Position #103 • Jinsutong Reference Catalog 2026

Resin Overview

PC · Silicone Copolymer, FR. Sourced from public manufacturer technical data sheets.

This Grade

Manufacturer	SABIC
Category	PC · Silicone Copolymer, FR
Typical Use	PC-silicone FR for low-temperature ductility

Key Properties

MVR (300°C/1.2 kg)	10 cm³/10min
Density	1.18 g/cm³
Tensile Strength at Yield	60 MPa
Tensile Modulus	2200 MPa
Notched Izod Impact (23°C)	85 kJ/m²
Notched Izod Impact (-30°C)	70 kJ/m²
HDT (1.8 MPa)	130 °C
UL 94 Rating	V-0 @ 2.0mm

Key Features

- PC-silicone for low-temp ductility
- FR (V-0) for safety
- Excellent impact at -30°C
- Good processability

Processing Conditions

Melt Temperature	280-320 °C

Mold Temperature	80-110 °C
Drying	4 h @ 120 °C in desiccant dryer
Processing Methods	Injection molding

Typical Applications

- Low-temp automotive interior
- Safety equipment
- Cold-storage enclosures
- Outdoor housings

Regulatory & Compliance

- UL 94 V-0 listed
- RoHS compliant

> ⚠ All data sourced from public manufacturer catalogs.

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