

# SUMIKATHENE® L705

Low Density Polyethylene

Sumitomo Chemical Co., Ltd.

# PROSPECTOR®

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## Technical Data

### Product Description

SUMIKATHENE® L705 is a Low Density Polyethylene material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for extrusion.

Typical applications include:

- Coating Applications
- Packaging

### General

Material Status	• Commercial: Active		
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (Japanese)</a>		
Search for UL Yellow Card	• <a href="#">Sumitomo Chemical Co., Ltd.</a>		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Low Neck-In		
Uses	• Laminates	• Packaging	
Processing Method	• Extrusion		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.919 g/cm <sup>3</sup>	0.919 g/cm <sup>3</sup>	JIS K6922-1
Melt Mass-Flow Rate (MFR)	7.0 g/10 min	7.0 g/10 min	JIS K6922-1
Environmental Stress-Cracking Resistance	1.90 hr	1.90 hr	ASTM D1693
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Break)	2030 psi	14.0 MPa	Internal Method
Tensile Elongation (Break)	550 %	550 %	Internal Method
Apparent Bending Modulus	23900 psi	165 MPa	ASTM D747
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Impact Strength	112 ft·lb/in <sup>2</sup>	235 kJ/m <sup>2</sup>	ASTM D1822
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Durometer Hardness (Shore D)	53	53	JIS K7215
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	187 °F	86.0 °C	JIS K7206
Melting Temperature	223 °F	106 °C	DSC

### Notes

<sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

<sup>2</sup> Typical properties: these are not to be construed as specifications.

