

HOPELEN SY-130

Polypropylene Homopolymer
Lotte Chemical Corporation

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Technical Data

Product Description

SY-130 is a propylene homopolymer designed for stretched products such as flat yarn. It is a low flow rate resin with a middle molecular weight distribution. It complies with FDA regulation.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• Lotte Chemical Corporation		
Availability	• Asia Pacific	• Europe	• North America
Features	• Homopolymer	• Low Flow	• Med.-Wide Molecular Weight Distrib.
Uses	• Bags • BCF Yarn	• Rope • Tape	
Agency Ratings	• FDA Unspecified Rating		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.902	0.900 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0 g/10 min	4.0 g/10 min	ASTM D1238
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield)	4690 psi	32.4 MPa	ASTM D638
Tensile Elongation (Break)	> 500 %	> 500 %	ASTM D638
Flexural Modulus	213000 psi	1470 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	0.72 ft·lb/in	38 J/m	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Rockwell Hardness (R-Scale)	101	101	ASTM D785
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	228 °F	109 °C	ASTM D648
Vicat Softening Temperature	304 °F	151 °C	ASTM D1525

Notes

¹ 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.

² Typical properties: these are not to be construed as specifications.

