

Technical Data Sheet

lcorene POLYETHYLENE CP 878-01NAT



Linear Low Density Polyethylene

Product Description

CP 878-01 Natural is a linear low-density polyethylene having good tensile, stiffness, and toughness properties. Said compound has excellent drawdown capability and good gloss.

Regulatory Status

For regulatory compliance information, see POLYETHYLENE CP 878-01NAT [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Discontinued
Availability	Asia-Pacific; North America
Processing Method	Cast Film; Extrusion
Attribute	Food Contact Acceptable; Good Drawdown; Good Stiffness; Good Toughness; High Tensile Strength; Medium Gloss
Appearance	Natural Color

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	0.80 to 2.5	g/10 min	ASTM D1238
Density - Specific Gravity	0.925	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield MD	11	MPa	ASTM D882
Tensile Strength at Yield TD	13.1	MPa	ASTM D882
Flexural Modulus MD	276	MPa	ASTM D790
Flexural Modulus TD	310	MPa	ASTM D790
Tensile Elongation at Break MD	650	%	ASTM D882
Tensile Elongation at Break TD	800	%	ASTM D882
Thermal			
Melting Temperature	125	°C	
Optical			
Haze	104	%	ASTM D1003
Gloss, (45°)	55		ASTM D2457
Light Transmittance	104	%	ASTM D1003

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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