Technical Data Sheet

*Circulen*Recover L5670R

High Density Polyethylene

Product Description

*Circulen*Recover L5670R is a PCR-rich resin used in blown film applications for flexible packaging.

Regulatory Status

For regulatory compliance information, see *Circulen*Recover L5670R Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS). To obtain copies of these documents, please contact your LyondellBasell product safety representative.

Status	Commercial: Active
Application	Food Packaging; Industrial Film; Lamination Film; Shrink Film
Market	Flexible Packaging
Processing Method	Blown Film
Attribute	General Purpose; Low Gel

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	0.70	g/10 min	ASTM D1238
Density, (23 °C)	0.956	g/cm³	ASTM D1505
PCR Content	90	%	LYB Method
Film			
Tensile Strength at Break			
MD	2730	psi	ASTM D882
TD	3800	psi	ASTM D882
Tensile Strength at Yield, MD	34220	psi	ASTM D882
Tensile Elongation at Break			
MD	180	%	ASTM D882
TD	3.6	%	ASTM D882
Secant Modulus			
MD	117000	psi	ASTM D882
TD	161000	psi	ASTM D882
Elmendorf Tear Strength			
MD	19.6	g	ASTM D1922
TD	572.7	g	ASTM D1922

Manufacturer website: https://www.lyondellbasell.com/en/

Notes

Data obtained from 2.0 mil film produced on a blown film line with a 60 mil die gap, 2.2:1 BUR, and 390-410 °F (199-210 °C) melt extrusion temperature.

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

PCR refers to Post Consumer Recycle

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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