

# Moplen RP2795

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

"Moplen" RP2795 is a random copolymer for manufacturing high transparent cast films. The product contains slip- and antiblock agents. It exhibits very good optical properties and good heat weldability. Main applications are packaging of foodstuffs such as sweets, pasta, biscuits and snacks, packaging of books, stationary, blankets, shirts and hosiery.

"Moplen" RP2795 is suitable for food contact.

For regulatory information please refer to "Moplen" RP2795 Product Stewardship Bulletin ( PSB ).

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Controlled Rheology		
	Food Contact Acceptable		
	High Clarity		
	Opticals		
	Random Copolymer		
	Slip		
	Weldable		
Uses	Cast Film		
	Film		
	Food Packaging		
	Packaging		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	810	MPa	ISO 527-2/1
Tensile Stress (Yield)	26.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	13	%	ISO 527-2/50
Coefficient of Friction			ASTM D1894
Dynamic	0.20		
Static	0.20		
Films	Nominal Value	Unit	Test Method
Secant Modulus - MD <sup>1</sup> (50 µm)	640	MPa	ASTM D882
Tensile Strength - MD			ASTM D882

Yield	19.4	MPa	
Break	38.0	MPa	
Tensile Elongation - MD (Break)	760	%	ASTM D882
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	2.2	kJ/m <sup>2</sup>	
23°C	5.1	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	69.0	°C	ISO 75-2/B
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm)	89		ASTM D2457
Haze (50.0 µm)	< 1.0	%	ASTM D1003
NOTE			
1.	30 mm/min		

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