

# Moplen RP218R

Polypropylene Random Copolymer

PolyMirae

## Message:

Moplen RP218R is the polypropylene random copolymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen RP218R is a random copolymer particularly suitable for extrusion coating and lamination of flexible film packaging. Moplen RP218R resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Good Adhesion		
	Good Heat Seal		
	Low Neck-In		
Uses	Coating Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Extrusion Coating		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	19	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	85		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	24.0	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	12	%	ASTM D638
Flexural Modulus (Injection Molded)	785	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	39	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	85.0	°C	ASTM D648
Vicat Softening Temperature	125	°C	ASTM D1525

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