

# YUPLENE® R140M

Polypropylene Random Copolymer

SK Global Chemical

Message:

YUPLENE R140M is propylene random copolymer designed for use in casting film application, especially for semi-Retort Pouch. YUPLENE R140M has excellent optical properties, impact strength and heat sealing properties. YUPLENE R140M shows high heat sealing strength. YUPLENE R140M shows outstanding heat stability and outstanding processing uniformity and processability. YUPLENE R140M complies with FDA regulation in 21 CFR 178.2010 for food packaging substances with adequate additives. And contains no dangerous substances according to Federal Regulations in 21 CFR 177.1520.

General Information			
Features	Good Heat Seal		
	Good Impact Resistance		
	Good Processability		
	Heat Sealable		
	High Clarity		
	High Gloss		
	Opticals		
	Random Copolymer		
Uses	Cast Film		
	Film		
	Food Packaging		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Cast Film		
Physical	Nominal Value	Unit	Test Method
Density	0.905	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Spiral Flow	55.0	cm	Internal Method
Molding Shrinkage - Flow	1.5 to 2.0	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	78		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.5	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	981	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	78	J/m	ASTM D256
Aging	Nominal Value	Unit	Test Method

Accelerated Oven Aging - in Air (150°C)	15.0	day	ASTM D3012
Heat Deflection Temperature	75	°C	ASTM D648
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	132	°C	ASTM D1525

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#### Recommended distributors for this material

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