

# YUPLENE® R680S

Polypropylene Random Copolymer

SK Global Chemical

Message:

YUPLENE R680S is propylene random co-polymer designed for high speed extrusion coating produced on T-die extrusion. YUPLENE R680F is especially good for flexible packaging coating.

YUPLENE R680S shows excellent coating processability, adhesive property, mechanical properties and heat resistance properties.

YUPLENE R680S complies with FDA regulation 21 CFR 178.2010 & 177.2600.

General Information			
Features	Good Adhesion		
	Good Flexibility		
	Good Processability		
	High Heat Resistance		
	Random Copolymer		
Uses	Clear Sheet		
	Food Packaging		
	Laminates		
	Sheet		
Agency Ratings	FDA 21 CFR 177.2600		
	FDA 21 CFR 178.2010		
Processing Method	Bi-axially Oriented Film		
	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)	28	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	78		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.5	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	981	MPa	ASTM D790
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	20	µm	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	140	J/m	ASTM D256



Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	125	°C	ASTM D1525
Heat Deflection Temperature	85	°C	ASTM D648
Optical	Nominal Value		Test Method
Gloss (45°)	50		ASTM D2457

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#### Recommended distributors for this material

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