

# RANDOM PP R680S

YUPLENE R680S is propylene random co-polymer designed for high speed extrusion coating produced on T-die extrusion. YUPLENE R680S 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.

## Application / Use Case

Extrusion Coating / Coating(food packaging), Lamination (BOPP)

## Characteristics

Coating processability, Adhesive, Heat resistance

## Specification

	Specification	Unit	Test Method
Melt Index	28.0	g/10min	ASTM D1238

## Physical Properties

	Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
IZOD Impact Strength (Notched, 23°C)	14.0	kg·cm/cm	ASTM D256
Softening Point (Vicat)	125	°C	ASTM D1525
Tensile Strength at Yield	250	kg/cm <sup>2</sup>	ASTM D638
Elongation at Break	>500	%	ASTM D638
Film Thickness	20	µm	SK Method
Flexural Modulus	10000	kg/cm <sup>2</sup>	ASTM D790
Hardness(Rockwell)	78	R Scale	ASTM D785

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Gloss(45°)	50	%	ASTM D2457
Heat Distortion Temperature	85	°C	ASTM D648

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These are typical properties only, and are not to be construed as specific limits.