



Data Sheet

Date Prepared:

RANDOM PP R520Y

YUPLENE R520Y is propylene random copolymer designed for use in blow molding, and ISBM (Injection stretch blow molding). YUPLENE R520Y offers high Vicat softening point, low temperature toughness and excellent clarity.

YUPLENE R520Y complies with FDA regulation 21 CFR177.1520 for all food contact.

Application / Use Case

Blow Molding / Transparent container(IBM, High transparent sheet)

Characteristics

High Transparency, High Gloss

Specification

	Specification	Unit	Test Method
Melt Index	1.8	g/10min	ASTM D1238

Physical Properties

	Value	Unit	Test Method
IZOD Impact Strength(Notched, 23°C)	9.5	kg·cm/cm	ASTM D256
Softening Point(Vicat)	140	°C	ASTM D1525
Tensile Strength at Yield	320	kg/cm ²	ASTM D638
Elongation at Break	>500	%	ASTM D638
Flexural Modulus	14000	kg/cm ²	ASTM D790
Spiral Flow	500	mm	SK Method
Hardness(Rockwell)	80	R Scale	ASTM D785
Heat Distortion Temperature	82	°C	ASTM D648
Accelerated Oven Aging(in Air at 150°C)	360	hr	ASTM D3012
Haze	<15	%	ASTM D1003

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

Head Office 99 Seorin-dong, Jongno-gu, Seoul 110-110, Korea
Tel. 82-2-2121-5114 Fax. 82-2-2121-7001

SK Institute of Technology 140-1 Woncheon-dong, Yuseong-gu, Taejeon, Korea
Tel. 82-42-866-7624 Fax. 82-42-866-7603

Online SK energy co., ltd. : www.SKenergy.com
Chemical Business : www.skchem.com

ISO 9001 Certified