YUPLENE® R520Y

Polypropylene Random Copolymer

SK Global Chemical

Message:

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

General Information	
Features	Food Contact Acceptable High Clarity High Gloss Low Temperature Toughness Random Copolymer
Uses	Blow Molding Applications Clear Sheet Containers Sheet
Agency Ratings	FDA 21 CFR 177.1520
Processing Method	Blow Molding Injection Stretch Blow Molding

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ASTM D1238
Spiral Flow	50.0	cm	Internal Method
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	80		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	31.4	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1370	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	93	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	82	°C	ASTM D648
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	140	°C	ASTM D1525

Optical	Nominal Value	Unit	Test Method
Haze	< 15	%	ASTM D1003

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