

YUPLENE® R520F

Polypropylene Random Copolymer

SK Global Chemical

Message:

YUPLENE R520F is propylene random copolymer designed for use in blow molding, and ISBM (Injection stretch blow molding). YUPLENE R520F offers high Vicat softening point and low temperature toughness, YUPLENE R520F is suitable for application which needs high temperature heat treatment step. YUPLENE R520F is designed for the medical applications. YUPLENE R520F complies with FDA regulation 21 CFR177.1520 for all food contact and it meets the United States Pharmacopia (USP) test requirement.

General Information			
Features	Food Contact Acceptable		
	Low Temperature Toughness		
	Random Copolymer		
Uses	Blow Molding Applications		
	Bottles		
	Containers		
	Medical/Healthcare Applications		
Agency Ratings	FDA 21 CFR 177.1520		
	USP Unspecified Rating		
Processing Method	Blow Molding		
	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)	28.4	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	98	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

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