

## LG Chemical SEETEC R3420 Polypropylene, Random Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

### Material Notes:

Features: Seetec R3420 is a polypropylene-ethylene random copolymer designed for the production of cast films. It has a good clarity due to the optimum content of ethylene and offers optimum balance between optical properties and physical strength. It is suitable for the general purpose of coextruded cast film in food packaging or semi retort pouch being required non slip and medium heat seal temperature. SEETEC R3420 meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact. Applications: CPP Film (Non Slip)CAS No. 9010-79-1Information provided by LG Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LG-Chemical-SEETEC-R3420-Polypropylene-Random-Copolymer.php](http://www.lookpolymers.com/polymer_LG-Chemical-SEETEC-R3420-Polypropylene-Random-Copolymer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D1505
Melt Flow	8.0 g/10 min	8.0 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 Å°C	@Load 4.76 lb, Temperature 446 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	84	84	ASTM D785
Tensile Strength, Yield	26.5 MPa	3840 psi	50mm/min; ASTM D638
Film Elongation at Break, MD	>= 500 %	>= 500 %	ASTM D882
Film Elongation at Break, TD	>= 500 %	>= 500 %	ASTM D882
Elongation at Break	<= 500 %	<= 500 %	50mm/min; ASTM D638
Flexural Modulus	0.883 GPa	128 ksi	ASTM D760
Izod Impact, Notched	0.490 J/cm	0.918 ft-lb/in	ASTM D256
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Film Tensile Strength at Break, MD	440 MPa	63800 psi	ASTM D882
Film Tensile Strength at Break, TD	340 MPa	49300 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	130 - 170 Å°C	266 - 338 Å°F	
Deflection Temperature at 0.46 MPa (66 psi)	80.0 Å°C	176 Å°F	ASTM D648

Thermal Properties	134 Â°C Metric	273 Â°F English	Comments
	@Load 1.00 kg	@Load 2.20 lb	
Flash Point	>= 340 Â°C	>= 644 Â°F	

Optical Properties	Metric	English	Comments
Haze	1.3 %	1.3 %	ASTM D1003
Gloss	135 %	135 %	45Â°; ASTM D2457

Descriptive Properties	Value	Comments
Heat Seal Temperature	130Â°C	>1 Kgf, LG Method

## Contact Songhan Plastic Technology Co.,Ltd.

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