

LG[®] R3410

Features: Seetec R3410 is a polypropylene-ethylene random copolymer designed for the production of expandable PP and films. It has the good clarity due to the appropriate content of ethylene and offers optimum balance between optical properties and physical strength. Having no slip agent, it is suitable for laminating layer of co-extruded cast film in food packaging or semi retort pouch. SEETEC R3410 meets the FDA requirement in the code of Federal Regulations in 21 CFR 177.1520 for food contact

Applications: EPP (Expandable PP), Film (Non Slip)

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	ASTM D1505

Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238
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Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785

Tensile Strength, Yield	26.5 MPa	3840 psi	50mm/min; ASTM D638
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Elongation at Break	<= 500 %	<= 500 %	50mm/min; ASTM D638
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Flexural Modulus	0.883 GPa	128 ksi	ASTM D760
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Izod Impact, Notched	0.490 J/cm @Temperature 23.0 °C	0.918 ft-lb/in @Temperature 73.4 °F	ASTM D256
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Thermal Properties	Metric	English	Comments
Melting Point	144 °C	291 °F	

Deflection Temperature at 0.46 MPa (66 psi)	92.0 °C	198 °F	ASTM D648
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Vicat Softening Point	135 °C @Load 1.00 kg	275 °F @Load 2.20 lb	ASTM D1525
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Flash Point	>= 340 °C	>= 644 °F	
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Compliance Properties	Metric	English	Comments
FDA	Yes	Yes	See notes for details.