

RELENE® EVA1802

Ethylene Vinyl Acetate Copolymer

Reliance Industries Limited

Message:

Relene EVA1802 is a co-polymer of Ethylene and vinyl acetate. It is produced by continuous bulk polymerization process using stirred autoclave reactors. EVA1802 is recommended for injection, extrusion, compression and blow moulding process. This material exhibits good flexibility, good transparency, good impact strength and superior ESCR.

General Information			
Features	Good Flexibility		
	Good Impact Resistance		
	High ESCR (Stress Crack Resist.)		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10141-1982		
	IS 10146-1982		
Processing Method	Blow Molding		
	Compression Molding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	0.936	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Vinyl Acetate Content	18.0	wt%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	20.0	MPa	ASTM D638
Tensile Elongation (Break)	750	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	64.0	°C	ASTM D1525 ²
NOTE			
1.	23°C		
2.	Loading 1 (10 N)		

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Recommended distributors for this material

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