

RELENE® E19010

Linear Low Density Polyethylene

Reliance Industries Limited

Message:

E19010 is a Linear Low Density Polyethylene (LLDPE) grade, for General Purpose Applications like Blending for Injection Moulding, Drip Lateral and Thick Extruded Products. This grade meets the requirements of material as per IS 12786:1989 on irrigation equipment - Polyethylene pipes for irrigation laterals - specification. When incorporated with adequate quantity of Carbon Black as specified in the clause 4.1 of IS 12786:1989, the pipe made from this grade will meet creep rupture stress requirement of PE-25 class of pipe.

General Information			
Features	Food Contact Acceptable		
	General Purpose		
Uses	Blending		
	General Purpose		
Agency Ratings	FDA 21 CFR 177.1520		
	IS 10141-1982		
	IS 10146-1982		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.1	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	> 13.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield, Injection Molded	13	%	
Break, Injection Molded	> 500	%	

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