

# RELENE® LL20DS010

Linear Low Density Polyethylene

Reliance Industries Limited

## Message:

LL20DS010 is a Butene Comonomer based Linear Low Density Polyethylene (LLDPE), for Drip lateral applications. Drop laterals produced out of this grade has outstanding processability and, tensile and elongation properties compared to that of a conventional LLDPE grade. 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 clause 4.1 of IS 12786:1989, the pipe made from this grade will meet the creep rupture stresss requirement of PE-25 class of pipe.

General Information	
Features	Butene Comonomer
	Food Contact Acceptable
	General Purpose
	Good Processability
Uses	General Purpose
	Packaging
	Piping
Agency Ratings	FDA 21 CFR 177.1520
	IS 10141-1982
	IS 10146-1982

Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.2	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	12.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield, Injection Molded	13	%	
Break, Injection Molded	> 350	%	

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## Recommended distributors for this material

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