

RELENE® LL36RA045UV

线性低密度聚乙烯

Reliance Industries Limited

Technical Data

Product Description

LL36RA045UV is a Butene Comonomer based Linear Medium Density Polyethylene (LLDPE). This grade is stabilised with appropriate quantity of HALS to give a long service with continuous outdoor exposure with or without blending of any carbon black. LL36RA045UV when pulverised into 20-30 mesh powder offers good processability. This grade has very good Environmental Stress Crack Resistance (ESCR) and a combination of hardness and impact strength. This grade contains normal dose of AO and high dose of UV stabiliser.

General

Additive	• 抗氧化性	• 紫外线稳定剂	
Features	• 丁烯共聚单体 • 高 ESCR (抗应力开裂)	• 抗氧化性 • 良好抗撞击性	• 食品接触的合规性 • 硬度高
Agency Ratings	• FDA 21 CFR 177.1520	• IS 10141-1982	• IS 10146-1982
Processing Method	• 滚塑成型		

Physical	额定值	单位制	测试方法
Density	0.936	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR) 10% Igepal, F50	> 350	hr	ASTM D1693
Mechanical	额定值	单位制	测试方法
Tensile Strength (屈服, 2.00 mm, 模压成型)	17.7	MPa	ASTM D638
Tensile Elongation (屈服)	20	%	ASTM D638
Flexural Modulus (3.20 mm, 模压成型)	588	MPa	ASTM D790
Impact	额定值	单位制	测试方法
Notched Izod Impact (3.20 mm, 注塑)	250	J/m	ASTM D256
Hardness	额定值	单位制	测试方法
Durometer Hardness (邵氏 D)	55		ASTM D2240
Thermal	额定值	单位制	测试方法
Vicat Softening Temperature	117	°C	ASTM D1525