









LL36RA045UV

LINEAR LOW DENSITY **POLYETHYLENE WITH UV** ROTOMOULDING APPLICATION

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 continuos 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.

TypicalCharacteristics*			
Property	Test Method	Unit	Typical Value**
Melt Flow Index (190°C / 2.16 kg)	ASTM D1238	gm/10 min	4.5
Density(23°C)	ASTM D1505	gm/cm ³	0.936
Tensile Strength at Yield ¹	ASTM D638	kg/cm ²	180
Elongation at Yield	ASTM D638	%	20
Flexural Modulus ²	ASTM D790	kg/cm ²	6,000
Notched Izod Impact Strength ³	ASTM D256	kg.cm/cm	25.0
ESCR (F-50, 10% Igepal)	ASTM D1693	hr	>350
Hardness	ASTM D2240	D	55
Vicat Softening Point	ASTM D1525	°C	117

^{*}Typical Characteristics and not to be taken as specifications

- 1. Compression moulded test specimen (2.0 mm thick)
- 2. Compression moulded test specimen (3.2 mm thick)
- 3. Injection moulded test specimen (3.2 mm thick)

Applications

UV stabilised gradeforproducts requiring outdoor exposure.

Regulatory Information

 Meetstherequirements stipulated in standard IS: 10146-1982 on "Specification for Polyethylenefor safe use in contact withfoodstuffs, pharmaceuticals, and drinking water". It also conforms to the positive list of constituents as prescribed in IS: 10141-1982. The grade and the additives incorporated in it also comply with the FDA:CFR Title 21,177.1520, Olefin polymers.

Storage Recommendations

Bags should be stored in dry / closed conditions at temperatures below 50°C and protected from UV / direct sunlight.

Reliance Industries Limited, Polymer Research and Technology Centre,

Swastik Mill Compound, V.N. Purav Marg, Chembur, Mumbai-400 071. Tel.: +91-22-6767 7000. E-mail: polymer_patsupport@ril.com Website: www.ril.com

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