



Provisional

JLL36RA045

JLL36RA045UV

LINEAR LOW DENSITY POLYETHYLENE

Rotomoulding & Other rigid Application

JLL36RA045 is a Butene Comonomer based Linear Low Density Polyethylene (LLDPE), with optimum levels of antioxidants. This grade when blended with appropriate quantity of carbon black can withstand continuous exposure. This grade when pulverized into 20-30 mesh powder offers good processability. This grade has very good ESCR and balance of Impact and stiffness. JLL36RA045UV is a UV Stabilized version of JLL36RA045

TYPICAL CHARACTERISTICS*

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE
Density (23°C)	ASTM D 1505	g/cc	0.936
Melt Flow Index (190°C / 2.16 Kg)	ASTM D 1238	g/10 min.	4.5
Molded properties **			
Tensile Strength at Yield 1	ASTM D 638	MPa	19.0
Elongation at Yield	ASTM D 638	%	20
Flexural Modulus 2	ASTM D 790	Mpa	650
Notched Izod Impact Strength 3	ASTM 256	Kg Cm / Cm	25
ESCR (F50, 10% Igepol)	ASTM D 1693	Hrs	➤ 350
Hardness	ASTM D 2240	D	55
Vicat Softening Point	ASTM D 1922	oC	117

* Typical characteristics and not to be taken as specifications

**Typical properties measured on 2 mm (1) & 3.2 mm (2) Compression Molded Specimen

** Typical properties measured on 3.2 mm (3) Injection Molded Specimen

APPLICATIONS:

Overhead Water Tank, Loft Tank, Litter Bin etc

Regulatory Information

For various regulatory and food contact certifications / declarations please contact RIL representative.

Storage Recommendations

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

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