



Provisional

LL40RA040

LINEAR LOW DENSITY POLYETHYLENE ROTOMOULDING APPLICATION

LL40RA040 is a Butene based Linear Low Density Polyethylene. This grade exhibits very good Impact Stiffness balance and Hardness. This grade by virtue of its design provides excellent processability particularly for Large articles with higher thickness.

TYPICAL CHARACTERISTICS*

Property	Test Method	Unit	Typical Value**
Melt Flow Index (190°C / 2.16 Kg)	ASTM D 1238	g/10 min.	3.8
Density (@ 23°C)	ASTM D 1505	g/cm ³	0.939
Tensile Strength @ Yield ¹	ASTM D 638	MPa	21
Elongation @ Yield ¹	ASTM D 638	%	15
Flexural Modulus ¹	ASTM D 790	Kg/cm ²	9000
Notched Izod Impact Strength ²	ASTM D 256	Kg.cm/cm	22
Hardness	ASTM D 2240	Shore D	58
Vicat Softening Point	ASTM D 1525	°C	118

*Typical characteristics are not to be taken as specifications.

1. Compression Moulded Test Specimen (3.2 mm Thick)
2. Injection Moulded Test Specimen (3.2 mm Thick)

APPLICATIONS :

Medium/Large Tanks, Septic Tank, Manholes, Automotive Parts and Medium/Large Insulated Containers

Regulatory Information

Meets the requirement stipulated in standard IS: 10146-1982 on "Specification for Polyethylene for safe use in contact with foodstuffs, pharmaceuticals, and drinking water". It also conforms to 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.

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Updated as of February 2013