Asrene®

Linear Low Density Polyethylene

Chandra Asri Petrochemical

UI 2420

Density 0.924
Melt Index 20

CHARACTERISTIC:

- Not UV stabilized
- High flow properties
- Excellent moldability
- Excellent toughness

APPLICATION:

- Injection molding
- Lids
- Bottle closures
- Masterbatch
- Powder coating
- Toys
- Housewares
- Trash cans

Physical Properties	Test Method*	Unit	Value
Density	ASTM D 1505	g/cm^3	0.924
MI (190 °C/2.16 kg)	ASTM D 1238	g/10 min.	20
Vicat softening temperature	ASTM D 1525	°C	90
Brittleness temperature	ASTM D 746	°C	< -70
ESCR [F_{50}]	ASTM D 1693	Hrs	24
Tensile strength @ yield	ASTM D 638	MPa	13
Elongation @ break	ASTM D 638	%	450
Flexural modulus	ASTM D 790	MPa	650
Izod impact strength	ASTM D 256	kJ/m^2	150

*Polyethylene tested per ASTM D 1928

Conversions: 1 MPa = 10.2 kgf/cm^2
1 kJ/m^2 = 0.01 $kgf.cm/mm^2$

Recommended Processing Conditions:

Melt Temperature ……..175 - 225 °C

This material complies with recommendations & statutory regulations in the USA, Japan and most European countries regarding packaging materials intended to come in contact with foodstuff.

The nominal properties reported herein are typical of the product of CAPC but do not reflect normal testing variance and therefore should not to be construed as specifications.

CAPC reserves the right to make any improvement or amendments to the composition of any grade or product without alteration to the product code.

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This technical datasheet is effective as from January 2011 and supersedes all previously published data.

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QMS ISO 9001
EMS ISO 14001