Asrene®

LOW LINEAR DENSITY POLYETHYLENE

Chandra Asri Petrochemical

UI2650

Injection Molding

CHARACTERISTICS :

- Non-UV Stabilized
- High Flow Properties
- Excellent Moldability and Toughness
- Good ESCR
- Compliance with FDA Regulation 21 CFR177.1520

APPLICATIONS :

- Housewares
- Lids, Bottle Closures, and Toys
- Masterbatches and Powder Coatings

Physical Properties	Test Method*	Unit	Value
Density	ASTM D 1505	g/cm^3	0.927
Melt Index (190 °C/2.16 kg)	ASTM D 1238	g/10 min.	50
Melt Index (190 °C/21.6 kg)	ASTM D 1238	g/10 min.	-
Vicat Softening Temperature	ASTM D 1525	°C	90
Brittleness Temperature	ASTM D 746	°C	< -70
ECSR [F_{50}]	ASTM D 1693	Hrs	30
Tensile Strength @ Yield	ASTM D 638	MPa	18
Elongation @ Break	ASTM D 638	%	100
Tensile Impact Strength	ASTM D 1822	kJ/m^2	-
Flexural Modulus	ASTM D 790	MPa	600
Izod Impact Strength	ASTM D 256	kJ/m^2	40

*) Polyethylene tested per ASTM D 1928

Conversion : 1 MPa = 10.2 kgf/cm^2

1 kJ/m^2 = 0.01 $kgf.cm/mm^2$

Recommended Processing Conditions :

Melt Temperature ..... 175 - 225 deg. C

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

This technical datasheet is effective as from January 2013 and supersedes all previously published data.

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KN-RCI Responsible Care®

CERTIFICATE ID07 / 0963

CERTIFICATE ID02 / 54337