BU4500

High-density polyethylene (HDPE)

Description

BU4500 is a high-density polyethylene resin produced by Univation(Gas) Process, suitable for Geo Sheet which has high Melt-Strength and ESCR having excellent formability.

Characteristics

- High Melt-Strength
- Excellent Formability
- High ESCR

Applications

- Geo Sheet

Properties

	Properties	Test Method		Values	Nominal
Physical	Melt Flow Index (190℃, 21.6㎏)	ASTM	D1238	18	g/10min
	Density	ASTM	D1505	0.939	g/cm^3
Mechanical	Tensile Stress (Yield)	ASTM	D638	190	kgf/cm^2
	Tensile Strain (Break)	ASTM	D638	> 800	%
	Flexural Modulus	ASTM	D790	8,000	kgf/cm^2
	Notched IZOD Impact Strength (23℃)	ASTM	D256	NB	kgf·cm/cm
	ESCR	ASTM	D1693	> 4,000	F50hr

• NOTE : these are not to be construed as specifications

*DISCLAIMER : THIS DOCUMENT (INCLUDING ANY ENCLOSURES AND ATTACHEMENTS) HAS BEEN PREPARED FOR THE EXCLUSIVE USE AND BENEFIT OF THE ADDRESEE(S) AND SOLEY FOR THE PURPOSE FOR WHICH IT IS PROVIDED. LOTTE CHEMICAL MAKES NO WARRANTY OR REPRESENTATION WHATSOEVER, EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE WITH RESPECT TO THIS DOCUMENT OR ANY INFORMATION HEREIN; AND LOTTE CHEMICAL ASSUMES NO LIABILITY WHATSOEVER WITHOUT LIMITATION WITH RESPECT TO ANY DAMAGES INCLUDING, BUT NOT LIMITED