BU5300
High-density polyethylene (HDPE)

Description
BU5300 is a high-density polyethylene resin produced by Univation(Gas) Process, suitable for Blow molding which has excellent ESCR and stifness / impact strength

Characteristics
- High Melt-Strength
- High impact strength
- Excellent stress crack resistance and rigidity

Applications
- household industrial chemicals containers, cosmetics containers

Properties

	Properties	Test Method		Values	Nominal
Physical	Melt Flow Index (190℃, 21.6㎏)	ASTM	D1238	0.42	g/10min
	Density	ASTM	D1505	0.953	g/cm^3
Mechanical	Tensile Stress (Yield)	ASTM	D638	270	kgf/cm^2
	Tensile Strain (Break)	ASTM	D638	> 600	%
	Flexural Modulus	ASTM	D790	10,000	kgf/cm^2
	Notched IZOD Impact Strength (23℃)	ASTM	D256	35	kgf·cm/cm
	ESCR(100% Igepal)	ASTM	D1693	50	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 TO, DIRECT, INDRECT, SPECIAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES ARISING OUT OF, RESULTING FROM, OR ANY WAY CONNECTED TO ANY USE OF THIS DOCUMENT OR ANY INFORMATION HEREIN.