

HB3553

High Density Polyethylene

PRODUCT DESCRIPTION

ICELENE HB3553 is a certified prime Phillips process Blow Molding Hexene copolymer intended for use in a variety of applications such as HIC bottles, toys and profile extrusion. Icelene HB3553 is cleared for use in articles or components of articles intended for contact with food under 21 CFR 177.1520(c) and meets the specifications in that paragraph.

Properties*	Test Method	English		SI	
		Typical Value	Unit	Typical Value	Unit
Melt Flow Index (190°C/2.16 kg)	ASTM D1238	0.35	g/10 min.	0.35	g/10 min
Density	ASTM D1505	0.953	g/cc	0.953	g/cc
ESCR (122 F°, Compression , F50)	ASTM D1693	50	hr	50	hr
Tensile Yield Strength, 2" (50nm) per min	ASTM D638	3900	psi	27	Mpa
Ultimate Elongation, 2" (50nm) per min.	ASTM D638	>700	%	>700	%
Brittleness Temperature	ASTM D746	<-180	F°	<-118	°C
Flexural Modulus ¹	ASTM D790	195,000	psi	1345	Mpa

* Typical values of Properties which can vary with in specification limits and are not to be construed as specifications.

¹Test Made on injection molded Type 1 tension test specimen according to ASTM D2146

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