

Icelene HF6952 High Density Polyethylene Resin

Applications:

Blown Film, Grocery Sacks, Industrial Can Liners, Produce Bags on a roll, Trash bags

PRODUCT DESCRIPTION

HF6952 is a certified prime grade high molecular weight high density polyethylene blown film resin. The resin exhibit excellent impact and toughness properties as well as high stiffness. It is designed for film less than 0.5 mil in thickness. HF6952 complies with FDA regulation 21CFR 177.1520 (c) 3.1(a) + 3.2 (a) and with most international regulations concerning the use of Polyethylene in contact with food articles.

Properties*	Test Method	Metric Units		English	
		Typical Value	Unit	Typical Value	Unit
Melt Flow Index ²	ASTM D1238	0.060	g/10 min.	0.060	g/10 min
Density (23°C)	ASTM D792	0.952	g/cm ³	0.952	g/cm ³
High load Melt Index ²	ASTM D1238	9.3	g/10 min.	9.3	g/10 min
Thermal					
Peak Melting Temperature	ASTM D3418	131	°C	266	°F
Film Properties					
Tensile Strength at Yield MD	ASTM D882	37	Mpa	5400	psi
Tensile Strength at Yield TD	ASTM D882	32	Mpa	4700	psi
Tensile Strength at Break MD	ASTM D882	90	Mpa	13000	psi
Tensile Strength at Break TD	ASTM D882	69	Mpa	10000	psi
Elongation at Break MD	ASTM D882	290	%	290	%
Elongation at Break TD	ASTM D882	390	%	390	%
Secant Modulus MD - 1% Secant	ASTM D882	1030	Mpa	150000	psi
Secant Modulus TD - 1% Secant	ASTM D882	1100	Mpa	160000	psi
Dart Drop Impact	ASTM D1709A	320	g	320	g
Elmendorf Tear Strength MD	ASTM D1922	7	g	7	g
Elmendorf Tear Strength TD	ASTM D1922	40	g	40	g

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

² Condition 190°C/2.16 kg.

This product is not intended for use in medical applications and should not be used in any such applications.

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