

HI2053-IM

High Density Polyethylene

PRODUCT DESCRIPTION

ICELENE HI2053-IM is a certified prime injection Molding copolymer intended for use in a variety of injection molding application. Icelene HI2053-IM high melt index allows easy processing of medium to thin-walled articles. HI2053-IM 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	20	g/10 min.	20	g/10 min
Density	ASTM D1505	0.953	g/cc	0.953	g/cc
Tensile Yield Strength, 2" (50nm) per min	ASTM D638	3900	psi	27	Mpa
Flexural Modulus ¹	ASTM D790	185,000	psi	1276	Mpa
Notched Izod Impact Strength	ASTM D256	0.6	ft-lbf/in	32	J/m
Hardness (Shore D)	ASTM D 2240	65		65	°C
Vicat Softening Point	253	F°		123	°C
Brittleness Temperature	ASTM D746	<-103	F°	<-75	°C
Deflection Temperature	ASTM D648	169	F°	76	

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

¹ Tangent Method

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