

ICELENE HI2054

High Density Polyethylene Injection Molding

PRODUCT DESCRIPTION

ICELENE HI2054 is a certified prime resin that provides easy processing characteristics ,exhibits excellent toughness properties, color as well as low odor and good processing stability. Typical applications include housewares, containers, caps and closures

Properties*	Test Method	SI Units		English	
		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 (23°C)	ASTM D1505	0.954	g/cm ³	0.954	g/cm ³
ESCR 122°F(50°C) 100 %Igepal F50	ASTM D1693	3	Hr	3	Hr
Flexural Modulus (2 % Secant)	ASTM D790B	1150	MPa	167000	psi
Tensile Strenght at Break,	ASTM D638	13.8	MPa	2000	psi
Tensile Stress at Yield	ASTM D638	28.3	MPa	4100	psi
Tensile Elongation at Yield	ASTM D638	7	%	7	%
Elongation at Break	ASTM D638	250	%	250	%
Tensile Impact Strength	ASTM D1822	42	KJ/m ²	20	ft-lb/in ²
Unnotched Impact Strength, (-18°C)	ASTM D4812	No Break		No Break	
Shore Hardness (Shore D)	ASTM D2240	57		57	
Vicat softening Temperature	ASTM D1525	127	°C	261	°F

The nominal properties reported herein are typical of the product but do not reflect normal testing variance and therefore should not be used for specification purposes.

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