

### Icelene LD239 Low Density Polyethylene Resin

**Applications:**  
Foams, Injection Molding

**Additive packages**  
Slip (200 ppm),

#### PRODUCT DESCRIPTION

ICELENE LD239 is homopolymer resin suitable for use in molding, extrusion, compounding and foam application.

Properties*	Test Method	Metric Units		English	
		Typical Value	Unit	Typical Value	Unit
Melt Flow Index <sup>2</sup>	ASTM D1238	2.3	g/10 min.	2.3	g/10 min
Density (23°C)	ASTM D792	0.919	g/cm <sup>3</sup>	0.919	g/cm <sup>3</sup>
Tensile Strength at yield	ASTM D638	12	Mpa	1700	psi
Tensile Strength at Break	ASTM D638	9.8	Mpa	1400	psi
Elongation at yield	ASTM D638	20	%	20	%
Elongation at Break	ASTM D638	310	%	310	%
Durometer Hardness	ASTM D790	220	MPa	31000	psi
Shore A, 15 sec	ASTM D2240	94		94	
Shore D, 15 sec	ASTM D2240	43		43	
Dart Impact					
-40°F(-40°C)	ASTM D3763	22	J	16	ft-lb
73°F(23°C)	ASTM D3763	18	J	13	ft-lb
Vicat Softening Temperature	ASTM D1525	87	°C	189	°F

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

The test specimens were prepared using ASTM D4703, Procedure C.

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

2 Condition 190°C/2.16 kg.

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