



Icelene LLD2024 Linear Low-Density Polyethylene (LLDPE) Resin for Injection Molding

Applications:

Carrier resin for master batches

Additive packages

Antioxidant

PRODUCT DESCRIPTION

Icelene LLD2024 is a butene based LLDPE resin designed carrier resin for masterbatch formulation. Icelene LLD2024 meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

Properties*	Test Method	Metric Units		English	
		Typical Value	Unit	Typical Value	Unit
Melt Flow Index ²	ASTM D1238	20.0	g/10 min.	20.0	g/10 min
Density (23°C)	ASTM D792	0.924	g/cm ³	0.924	g/cm ³
Tensile Strength					
Yield	ASTM D638	16	Mpa	2200	psi
Break	ASTM D638	9.2	Mpa	1300	psi
Tensile Elongation					
Break	ASTM D638	60	%	60	%
Flexural Modulus 2 %	D790B	421	Mpa	61000	psi
Dorometer Hardness (Shore D)	ASTM D2240	47	-	47	
Deflection Temperature Under Load (68 psi)	ASTM D648	45	°C	113	°F
Notched Izod Impact	ASTM D256A	29	J/M	29	

* Note: All properties were derived from compression molded specimens. Actual properties may vary depending on operating conditions and additive packages. Properties are not intended to be used as specifications.

² Condition 190°C/2.16 kg.

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