SCLAIR® 17A

High Density Polyethylene

NOVA Chemicals

PROSPECTOR®
www.ulprospector.com

Technical Data

Product Description

SCLAIR® 17A is a High Density Polyethylene material. It is available in North America for coextrusion.

Important attributes of SCLAIR® 17A are:

- Antioxidant
- Butene Comonomer
- Food Contact Acceptable
- Good Processability

Typical applications include:

- Additive/Compounding/Masterbatch
- Food Contact Applications

General

Material Status	• Commercial: Active		
Literature [1]	• Technical Datasheet (English)		
Search for UL Yellow Card	• NOVA Chemicals • SCLAIR®		
Availability	• North America		
Additive	• Antioxidant		
Features	• Butene Comonomer • Food Contact Acceptable	• Good Processability • High Density	• Low Gel
Uses	• Blending		
Agency Ratings	• FDA 21 CFR 177.1520(c) 3.2a		
Processing Method	• Coextrusion		

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.950	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.45	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Coefficient of Friction (Blown Film)	0.24		ASTM D1894
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	38	µm	
Secant Modulus			ASTM D882
1% Secant, MD : 38 µm	630	MPa	
1% Secant, TD : 38 µm, Blown Film	900	MPa	
Tensile Strength			ASTM D882
MD : Yield, 38 µm, Blown Film	22.0	MPa	
TD : Yield, 38 µm, Blown Film	20.0	MPa	
MD : Break, 38 µm, Blown Film	45.0	MPa	
TD : Break, 38 µm, Blown Film	20.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 µm, Blown Film	650	%	
TD : Break, 38 µm, Blown Film	750	%	
Dart Drop Impact (38 µm, Blown Film)	40	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm, Blown Film	22	g	
TD : 38 µm, Blown Film	880	g	
Oxygen Transmission Rate			ASTM D3985
23°C, 0% RH, 38 µm, Blown Film	1900	cm³/m²/24 hr	
Water Vapor Transmission Rate			ASTM F1249
23°C, 100% RH, 38 µm, Blown Film	4.0	g/m²/24 hr	

Form No. TDS-144100-en

Document Created: Thursday, June 16, 2022
Added to Prospector: August 2010
Last Updated: 12/7/2020

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	67		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	125	°C	ASTM D1525
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Low Friction Puncture - Blown Film (38.0 µm)	230	J/cm	Internal Method

Notes

[1] These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

[2] Typical properties: these are not to be construed as specifications.

Form No. TDS-144100-en
Document Created: Thursday, June 16, 2022
Added to Prospector: August 2010
Last Updated: 12/7/2020

Where to Buy

Supplier

NOVA Chemicals
Calgary, Calgary Canada
Telephone: 403-750-3600
Web: http://www.novachemicals.com/

Distributor

Amco Polymers
Telephone: 800-262-6685
Web: http://www.amcopolymers.com/
Availability: North America

M. Holland Canada Company
Telephone: 905-665-1168
Web: http://www.mholland.com/
Availability: Canada

M. Holland Company
Telephone: 855-497-1403
Web: http://www.mholland.com/
Availability: Mexico, United States

Nexeo Plastics
Nexeo Plastics is leading global resin distributor with the technical resources you need to overcome material challenges. Visit us on the web at www.nexeoplastics.com.
Telephone: 833-446-3936
Web: https://www.nexeoplastics.com/
Availability: North America

Osterman & Company
Telephone: 800-914-4437
Web: http://www.osterman-co.com/
Availability: North America

Form No. TDS-144100-en
Document Created: Thursday, June 16, 2022
Added to Prospector: August 2010
Last Updated: 12/7/2020