SCLAIR® 17A

High Density Polyethylene

NOVA Chemicals

Message:

SCLAIR® 17A is a High Density Polyethylene material. It is available in North America for coextrusion.
Important attributes of SCLAIR® 17A are:
Butene Comonomer
Food Contact Acceptable
Good Processability
Processing Aid
Typical applications include:
Additive/Masterbatch
Food Contact Applications

General Information			
Additive	Processing Aid		
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**
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
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	67		ASTM D2240
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	
Nitrogen Transmission Rate (73°C, 38 µm, Blown Film, 0.0% RH)	1920	$cm^3/m^2/24$ hr	ASTM D1434
Water Vapor Transmission Rate (38°C, 100% RH, 38 µm, Blown Film)	4.0	$g/m^2/24$ hr	

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

Recommended distributors for this material

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WECHAT