Injection Molding														
Typical Properties		Melt Flow Rate (190°C/2.16Kg)	Melt Flow Rate (190°C/21.6Kg)	Density	Tensile Strength at Yield <sup>a</sup>	Tensile Strength at Break <sup>a</sup>	Rexural Modulus (1% secant) <sup>a</sup>	Shore D Hardness <sup>a</sup>	Notched Izod Impact Strength <sup>a</sup>	Environmental Stress cracking resistance (10% Igepal)*b	Environmental Stress cracking resistance (100% Igepati <sup>nb</sup>	Vicat Softening Temperature <sup>a</sup>	Deflection Temperature Under load (0.45MPa)*	Minimum biobased confent
ASTM Methods		D 1238	D 1238	D 1505/D 792	D 638	D 638	D 790	D 2240	D 256	D 1693	D 1693	D 1525	D 648	D 6866
Unit		g/10min	g/10min	g/cm³	MPa	MPa	MPa	-	J/m	h/F50	h/F50	°C	°C	%
	SHA7260	20	-	0,955	29	-	1350	64	25	-	<4	124	74	94
		Pails & basins, Caps & Closures, Toys, Lids, Thin-walled parts and Housewares.												
	SHC7260	7,2	-	0,959	30	-	1350	64	35		<4	126	76	94
HOPE.	01107200	Industrial containers, Safety Helmets, Toilet seats, Housewares, Toys, Lids, Caps &Closures, Pallets and Boxes for beverages bottles.												
보	SHD7255LSL	4,5	-	0,954	27	-	1270	63	45		<5	127	74	94
	0	Bins; Boxes for fish and groceries; Boxes for general purpose.												
	SGE7252	2,0	85,0	0,952	26	14	1200	55	50	40	-	125	72	96
	0027202	Caps and closures for beverages.												
LDPE	SPB208	22	-	0,923	10	6	700	42	-		-	87	-	95
	SPB200	Masterbatches. Inje	ection of large flat are	ea parts.										
	SPB608	30	-	0,915	8	8	450	39	-	-	-	79	-	95
	SF 2000	Masterbatches. Inje	ection of large flat are	ea parts.										

Blow Molding and Tubing														
Typical Properties		Melt Flow Rate (190°C/2.16Kg)	Melt Flow Rate (190°C/21.6Kg)	Density	Tensile Strength at Yield <sup>a</sup>	Tensile Strength at Break <sup>a</sup>	Flexural Modulus (1% secant)*	Shore D Hardness <sup>a</sup>	Notched Izod Impact Strength <sup>a</sup>	Environmental Stress cracking resistance (10% Igepat)**	Environmental Stress cracking resistance (100% Igepal) <sup>ab</sup>	Vicat Softening Temperature <sup>a</sup>	Deflection Temperature Under load (0.45MPa)*	Minimum biobased
ASTM Methods		D 1238	D 1238	D 1505/D 792	D 638	D 638	D 790	D 2240	D 256	D 1693	D 1693	D 1525	D 648	D 6866
Unit		g/10min	g/10min	g/cm³	MPa	MPa	MPa	-	J/m	h/F50	h/F50	°C	°C	%
	SGF4950	0,34 Rottles for househo	28	0,956	30 products: Rottles fr	30 or food products: Bo	1350	63 ts: Rigid containers f	150	40	70	129 h I ISP 33)	75	96
	SGF4950HS*	0,21	20	0,951	-	35	1100	-	175	150	1000	-	70	95
HDPE		Canisters from 2 to 20L for chemical products; Flasks for concentrated detergent; Reservoir for wind shield wiper and air ducts.												
모	SGF4960	0,34	28	0,961	30	35	1400	64	225		25	129	79	96
	22. 4000							ts; Rigid containers f						
	SGD4960	0,70	50	0,961	32	22	1600	64	89	19	24	128	79	96
Bottles for food applications such as dairy products and beverages; Containers for non-food applications such as alcohol, cosmetics and lubricant oils.														
a) Test specimens prepared from compression molded sheet, according to ASTM D 4703.														
b) Compression molded 2mm notched-plaques, 50°C.														
*Developmental grade.														

Fiber extrusion														
Typical Properties		Meit Flow Rate (190°C/2.16Kg)	Meit Flow Rate (190°C/21.6Kg)	Density	Tensile Strength at Yield <sup>a</sup>	Tensile Strength at Break <sup>2</sup>	Hexural Modulus (1% secant)*	Shore D Hardness <sup>a</sup>	Notched Izod Impact Strength <sup>a</sup>	Environmental Stress cracking resistance (10% Igepal)*b	Environmental Stress cracking resistance (100% Igepati <sup>als</sup>	Vicat Softening Temperature <sup>a</sup>	Deflection Temperature Under load (0.45MPa)*	Mini mum biobased content
ASTM	Methods	D 1238	D 1238	D 1505/D 792	D 638	D 638	D 790	D 2240	D 256	D 1693	D 1693	D 1525	D 648	D 6866
Unit		g/10min	g/10min	g/cm³	MPa	MPa	MPa	-	J/m	h/F50	h/F50	°C	°C	%
	SHA7260	20	-	0,955	29	-	1350	64	25	-	<4	124	74	94
HDPE		Bi-co nonwoven, fil	bers in general.											
보	SHE150	1,0	-	0,948	28	40	1280	62	-	-	-	128	76	94
		Raschel; Shading	and protecting nets;	Ropes.										

Raschel; Shading and protecting nets; Ropes.

a) Test specimens prepared from compression molded sheet, according to ASTM D 4703.
b) Compression molded 2mm notched-plaques, 50°C.

Blow and	Cast Film Ex	trusion												
Typical Properties		Melt Flow Rate (190°C/2.16Kg)	Melt Flow Rate (190°C/5Kg)	Melt Flow Rate (190°C/21.6Kg)	Density	Film Thickness	Tensile Strength at break (MD/TD)	Elongation at break (MD/TD)	Tensile Modulus 1% secant (MD/TD)	Dart Drop impact	Elmendorf Tear Strengh (MD/TD)	Наzе	Gloss 60°	Minimum biobased
ASTM M	lethods	D 1238	D 1238	D 1238	D 1505/D 792	-	D 882	D 882	D 882	D 1709	D 1922	D 1003	D 2457	D 6866
Unit		g/10min	g/10min	g/10min	g/cm <sup>3</sup>	μm	MPa	%	MPa	g/F50	gF	%	-	%
НОРЕ	SGM9450F	- Rans in neneral (like	0,33	9,3	0,952 , others); Geomembr	12,5	85/45	590/740	750/870	245	58/51	-		96
문		1,0	-	-	0,948	-	-	-		-		-	-	94
	SHE150		to improve blown film	n stiffness. Film for										
	SLL118	1,0	-	-	0,916	38	50/40	1130/1430	180/200	120	-/370	-	-	87
		Stretch films; liners; LDPE and HDPE blends and packages for general use. Others applications: blends for irrigation pipes.												
	SLL118/21	1,0	-	-	0,919	38	40/30	1070/1340	210/230	130	180/400	-	-	87
	OLE I TOLE I		ng (FFS); liners; gen	eral purpose; HDP8										
	SLL5405S	1,0	-	-	0,919 ral use, bags for was	38	40/30	1070/1340	210/230	130	180/400	-	-	87
TLDPE		2.3	biends, films with ic	w tickness for gene	0.918	te, special bags for 38	water and protection 40/30	1310/1560	200/230	100	150/190			
	SLL218		: LDPE and HDPE b	lands and nackans		38	40/30	1310/1560	200/230	100	150/190	-	-	87
	SLL218/21	2.0	, cor c ala nor c c	acrico una puchaga	0.917	38	30/30	1140/1440	200/220	100	140/340			87
			HDPE blends; gener	al use packages; te	chnical films for auto		00/00	1140/1440	LOUILLO	100	140/040			07
=	SLL318	2.7	-	-	0.918	38	30/30	1220/1440	180/200	90	120/340	-	-	87
		Stretch films; liners	; LDPE and HDPE b	lends and package	s for general use. Ot	ners applications: bl	ends for irrigation pi	pes; insulation for lo	w and medium tensi	on XLPE wire and ca	able.			-
	SLH118	1,0	-	-	0,916	38	40/40	1080/1360	200/210	150	300/510	-	-	84
		Stretch films; liners; LDPE and HDPE blends and packages for general use. Others applications: blends for irrigation pipes.												
		2.3	-	-	0.916	38	40/40	1170/1500	210/240	110	240/520	-	-	84
	SLH218	Stretch films: Lines	s: I DPE and HDPE	hlands: nackanas fr	or general use; Other	s annlications: insul	ation for low and me	dium tension XI PE	wire and cable: blen	de for irrigation nine				
		0.8	o, eor e ana rior e	- Dicrias, packages in	0.92	25	50/40	950/1180	170/180	170	270/500			84
	SLH0820/30AF		duty bags: Blends w	ith LDPE and HDP		20	00/40	550/1100	1707100		270/000			04
	SBF0323HC	0,32	-	-	0,923	38	40/30	390/1040	-	100	-/90	10	72	95
	SBF0323HC		Agriculture, co-extrud	led and shrink films										
	SBF0323/12H	0,32	-	-	0,923	38	40/30	390/1040	-	100	-/90	10	72	95
		Automatic packagir 0.6	ng of solid and liquid	products; shrink file	ms for pallets. 0.924	50	25/20	350/700	140/170*	170	310/250		86	95
	STN7006		r coextruded food os	ekaning such as:	theese, meat, sausag							products for hydian		95
	STS7006	0,6	-	-	0,924	50	25/20	350/700	140/170*	170	310/250	9	86	95
	515/006	High clarity films fo	r coextruded food pa	ckaging, such as: o	cheese, meat, sausag	es, sliced ham, etc.								
	SEB853	2,7	-	-	0,923	38	30/20	270/1040	-	70	-/100	5	113	95
90			applications include	films for diapers an	d other general purpo									
9	SEB853/72	2,7	-		0,923 solids products (FFS)	38	30/20	270/1040	-	70	-/100	5	112	95
		8,1	nerai purpose; autor	natic packaging or s	0.918	. 25	25/20	380/870		64		8	76	95
	SBC818	Extrusion coating, I	Injection of general p	arts and carrier for	masterbatches.									
	SBC818R50	8,1	-	-	0,918	25	25/20	380/870		64	-	8	76	45
	000010100		Injection of general p	arts and carrier for										
	SPB681	3,8	-	-	0,922	38	30/20	370/1070		60	-/100	4	120	95
		Blown and Cast Fill 3.8	m Extrusion. Injectio	n molding.	0.922	38	30/20	340/1050		60	-/100	5	112	95
	SPB681/59		and general purpos	se.	0,022	- 00	0020	0-10-10-00			,,,,,	, i		- 55
MD = Machine	e Direction; TD = Tra	Insversal Direction												

MD = Machine Direction; TD = Transversal Direction
Additives: AB = antiblocking agent, S = slip agent, PPA = polymer processing agent.
\*Tensile Modules = 2% secant (MD/TD)
For more details, please see product data sheet.