	PRODUCT Grade (% of Formulated PCR Content)			LLDPE											HDPE					
				EC 30L	EC 40L	EC 50L	EC 50L	EC 70L	EC 70L	EC 100L	EC 60L	EC 70L	EC 80L	EC 100L	EC 50H	EC 30H	EC 100H	EC 50H	EC 50H	EC 30H
				30%	*40%*	*50%*	*50%*	*70%*	*70%*	*100%*	*60%*	*70%*	*80%*	*100%*	*50%*	*30%*	*100%*	*50%*	*50%*	*30%*
A	**Resin Properties**	**Unit**	**Test Method**																	
1	Density	g/cm3	ASTM D1505	0.921	0.922	0.922	0.93	0.921	0.927	0.925	0.928	0.919	0.922	0.925	0.95	0.952	0.954	0.954	0.957	0.958
2	Melt Index (190 C, 2.16 kg)	g/10 min	ASTM D1238	1.1	1.2	0.9	1.0	0.92	1.2	1.4	0.8	2.5	0.83	1.7	0.07	0.6	0.09	0.38	4.3	1.1
3	Melt Index (190 C, 21.6 kg)	g/10 min	ASTM D1238												12					
4	Melting Temperature	Degree C	ASTM D3418	119	119	119	125	120	121	124	124	120	120	112	131	132	134	130	132	132
5	Addictives	-	-	AO, PPA	AO, PPA	AO, AB, S, PPA	AO, AB, PPA	AO, AB, S, PPA	AO, AB, PPA	AO, S	AO, AB, Slip, PPA	AO	AO, AB, Slip, PPA		AO	AO	AO	AO	AO	AO
B	**Film Properties** ***(for LLDPE)***	**Unit**	**Test Method**																	
1	Tensile Strength At Break (MD/TD)	kg/cm2	ASTM D882	540 / 430	520 / 380	530 / 500	350 / 300	390 / 300	300 / 250	300 / 230	390 / 330	350 / 300	550 / 400	300 / 110						
2	Elongation At Break (MD/TD)	%	ASTM D882	400 / 500	420 / 520	450 / 470	500 / 600	475 / 600	475 / 550	165 / 600	465 / 640	450 / 550	490 / 720	185 / 550						
3	Elmendorf Tear Strength (MD/TD)	gf	ASTM D1044	110 / 500	90 / 450	120 / 125	15 / 400	100 / 530	125 / 350	255 / 160	180 / 565		85 / 520	300 / 110						
4	Dart Impact Strength (A)	gf	ASTM D1709	330	230	330	130	170	100	80	345	300	130	60						
5	Haze	%	ASTM D1003	4	5	5	13	6	12	10	78	3	7.8	13						
6	Gloss (45 Degree)	-	ASTM D2457	115	115	102	65	90	85	60		65								
C	**Sheet Properties** ***(for HDPE)***	**Unit**	**Test Method**																	
1	Tensile Strength At Yield	kg/cm2	ASTM D638												430/ 360	272	274	290	288	310
2	Elongation At Break	%	ASTM D638												390 / 580	> 600	> 300	> 600	< 50%	> 600
3	Flexural Modulus	kg/cm2	ASTM D790												4 / 32	9,100	9,120	9,500	9,720	12,100
4	Izod Impact Strength (Notch 23 Degree C)	kg-cm/cm	ASTM D256												85	33	16	12	8.6	7.6
5	ESCR (Condition B, F50)	hr	ASTM D1693												70	> 500	< 24	50	< 24	< 24
	ADDICTIVE CONTENT *AO (Antioxidant)* *PPA (Polymer Processing Aid)* *AB (Anti Block Agent)* *S (Slip Agent)*		**APPLICATION**	General Film Agriculture Film Heavy Duty Bag Tube	General Film Agriculture Film Heavy Duty Bag Tube	General Film Agriculture Film Lamination Film	Shrink Film Sacks, Fertilizer Bag General Films	Lamination Film Sacks, Fertilizer Bag General Films	Shrink Film Sacks, Fertilizer Bag General Films	General Film Agriculture Film Lamination Film	Mulching Film General Film Shrink Film	Stretch Wrap Film Silage Film	Lamination Film General Film	Lamination Film General Film	Industrial Film Masking Film Tape	Tarpaulin Woven Bag Tube Shading Net	Blow Molding Injection	Bottle (small & medium)	Injection Tube	Injection Tube