FORMOSA TAISOX®

FORMOSA PLASTICS CORPORATION

Linear Low Density Polyethylene (LLDPE)
-- C6 Blown Flim Grade Data Sheets

Grade			C6 Film					
			2210	2214	2410	2414	2110	2114
Properties	Unit	Method						
$MI_{2.16}$	g/10min	ASTM D1238	1.0		1.0		1.0	
Density	g/cm^3	ASTM D1505	0.920		0.924		0.918	
Thermal Properties								
Melting point	℃	DSC	122		123		121	
Brittleness point	℃	ASTM D746	<-70		<-70		<-70	
Softening point	℃	ASTM D1525	93		95		93	
Mechanical Properties								
Tensile strength at yield	Kg/cm^2	ASTM D882B MD/TD	105/110		130/140		100/110	
Tensile strength at break	Kg/cm^2	ASTM D882B MD/TD	420/340		420/330		500/450	
Elongation at break	%	ASTM D882B MD/TD	580/760		580/760		620/810	
Secant Modulus 1%	Kg/cm^2	ASTM D882B MD/TD	1900/2400		2700/3500		1600/2000	
Elmendort Tear Resistance	$g/25\,\mu m$	ASTM D1922 MD/TD	240/540		140/570		305/500	
Dart Drop Test	g	ASTM D1709	260		175		610	
Optical Properties								
Haze	%	ASTM D1003	13	15	23	25	13	15
Gloss45 °	%	ASTM D2457	51	51	35	35	51	51
Clarity	%		65	60	50	45	65	60
Additives								
Slip Agent			no	high	no	high	no	high
Antiblocking Agent			no	high	no	high	no	high
Characteristics			Excellent Sealing Excellent Hot Tack High Impact Strength Hight Tear Strength High Puncture Resistance		Excellent Sealing Excellent Hot Tack Good Substrate Low Gel Level Good Optical Properties Blended wit LDPE		Supper C6 Excellent Sealing Excellent Hot Tack Very High Impact Very Hight Tear Strength	
Applications			Heavy Duty Sacks Mailing Films Stretchfilm Refuse Bag Carrier Bag		Lamination Sealing Layers in Coextrusion		High Performance thin film	

PS.: 1.Flim Processing Conditions：Output=10kg/hr、BUR=2.0、Thickness:Blown flim=38 μm、Cast flim20 μm。

2.The 4th character of Grade name represent the type of additive，0:nomoral antioxidant、4:high slipping and antiblocking agent、5:ZnO Neutralizer、6:Anti UV。

3.Data shown are average values and should not be examined for specifications。

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