

Energy lives here™

Americas portfolio

Tackifiers and polymers for better bonding

As a leading supplier of tackifiers and polymers to adhesive formulators, ExxonMobil Chemical provides you with:



Reliable supply of consistent high-quality products from readily available feedstocks



Global technical support resources from fundamental polymer research to application development and testing



Worldwide manufacturing facilities



Regional sales support and customer service teams



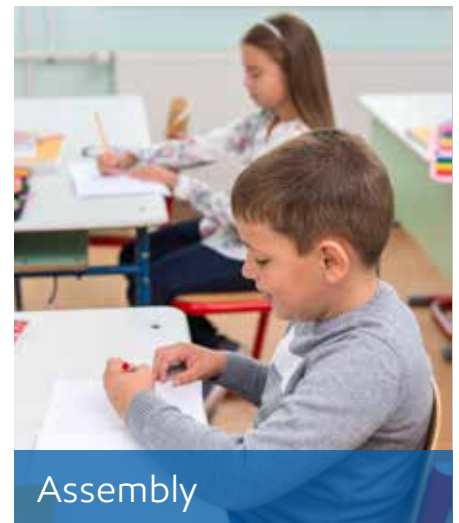
Opportunities for low odor and minimal color adhesives



Hygiene



Packaging



Assembly

Escorez™ tackifiers - typical values

Unit	Softening point	Initial color 50% in toluene	Glass transition temperature, Tg	GPC molecular weight		Thermal color stability, 5hr, 347°F (175°C)	Aromacity
	°F/°C	YI	°F/°C	Mn	Mw	YI (G)	%
Test Method	ETM 22-24	ETM 22-13	ETM 300-90	ETM 300-83	ETM 300-83	ETM 22-14	ETM 22-50
1102	212/100	3.0	126/52	1300	2900	12.0	-
1304 ⁽¹⁾	212/100	29	127/53	1300	2100	111	-
1310LC	200.7/93.7	25	117/47	1200	1900	103	-
1315	238.5/114.7	4.5	145/63	1300	2700	12.3	-
Escorez 2000 Series-aromatic modified aliphatic resins							
2203LC ⁽¹⁾	198.7/92.6	18	113/45	1100	2200	89	3.4
Escorez 5300 Series-water white hydrogenated cycloaliphatic resins							
5300	221/105	0.6	131/55	410	670	1.4	-
5320	255.2/124	0.4	165/74	400	700	2.0	-
5340	283.1/139.5	0.4	187/86	400	730	1.1	-
5380	187.2/86.2	0.3	97/36	350	580	1.8	-
5400	218.1/103.4	0.6	126/52	400	670	6.4	-
5415	244.9/118.3	0.4	151/66	370	720	4.9	-
Escorez 5600 Series-light color hydrogenated aromatic modified cycloaliphatic resins							
5600	216.5/102.5	1.0	131/55	500	800	27.2	9.8
5615	244/117.8	1.3	154/68	570	880	20.8	9.9
5637	265.1/129.5	2.2	176/80	570	820	7.4	5.2
5690	194.9/90.5	0.8	111/44	450	760	24.9	10.1

(1) Initial color test method: ETM-E-13, GPC Molecular weight test method: ETM-E-83. ETM: ExxonMobil test method
Typical values are not specifications, but are provided to aid formulators in the selection of products for evaluations.



Polyolefin copolymers - typical values

	Comonomer content	Melt index	Tensile strength at break	Elongation at break	Peak melting temperature
Unit	Weight %	g/10 min	MPa	%	°F/°C
Test Method	ETM	ASTM D 1238	ASTM D 638	ASTM D 638	ETM
Escorene™ Ultra ethylene vinyl acetate (EVA) copolymers					
AD 2528	27.6	3100 mPA-s	2.5	120	163/73
LD 701.ID	10.1	0.19	35/35 (MD/TD)	300/620 (MD/TD)	208/98
LD 705.MJ blown	12.8	0.40	35/35 (MD/TD)	350/640 (MD/TD)	201/94
LD 705.MJ molding	12.8	0.40	16	660	201/94
LD 706.15 cast	14.9	8.5	26/18 (MD/TD)	400/760 (MD/TD)	192/89
LD 706.15 molding	14.9	8.5	10	630	192/89
LD 708.62	14.9	5.2	30/22 (MD/TD)	380/770 (MD/TD)	192/89
LD 713.93 blown	14.4	3.5	32/25 (MD/TD)	330/680 (MD/TD)	192/89
LD 713.93 cast	14.4	3.5	34/20 (MD/TD)	200/840 (MD/TD)	192/89
LD 713.93 molding	14.4	3.5	13	620	192/89
LD 720 series	18.5	1.6	27/28 (MD/TD)	180/650 (MD/TD)	187/86
LD 721.IK	18.5	2.5	37/33 (MD/TD)	320/740 (MD/TD)	187/86
LD 723.28 cast	18.5	23	22/15 (MD/TD)	530/610 (MD/TD)	183/84
LD 723.28 molding	18.5	23	7.4	>800	185/85
LD 726.07	18.0	14	7.5	>800	181/83
LD 727.22	18.0	3.8	9.7	1500	185/85
LD 728.61	18.2	2.0	11	>800	189/87
LD 730.09 blown	17.2	0.70	36/37 (MD/TD)	370/660 (MD/TD)	189/87
LD 730.09 molding	17.2	0.70	13	640	189/87
LD 755	27.6	25	4.8	>800	151/66
LD 761.36	26.7	5.7	8.1	>800	163/73
LD 768.MJ blown	26.2	2.3	35/35 (MD/TD)	450/730 (MD/TD)	165/74
LD 768.MJ molding	26.2	2.3	9.4	>800	167/75
LD 783.CD	31.4	43	3.0	>800	136/58
UL 7510	18.7	500	2.9	330	172/78
UL 7511	18.5	500 ⁽¹⁾	2.7	260	172/78
UL 7520	18.5	140	4.2	>800	181/83
UL 7521	18.5	150 ⁽¹⁾	3.4	610	176/80
UL 7710 series	26.7	420	1.6	500	144/62
UL 7711 series	26.7	400 ⁽¹⁾	1.4	450	147/64
UL 7720	27.6	150 ⁽¹⁾	2.1	640	145/63
UL 7740	27.6	43	2.9	>800	151/66
UL 7741	26.7	43	3.8	>800	156/69
UL 7760	26.7	5.7	8.3	>800	163/73
UL 7765	26.2	2.3	11	>800	165/74
UL 7840E	31.4	43	3.0	>800	136/58
UL 8705 series	27.6	800	1.9	360	160/71
ExxonMobil™ ethylene n-butyl acrylate (EnBA) copolymers					
EN 33331	32.5	330 ⁽¹⁾	1.3	100	144/62
EN 33901	32.5	8300 mPA-s	0.94	70	144/62
Optema™ EMA (ethyl methyl acrylate) resins⁽³⁾					
TC 110	21.5	2.0	22/22 (MD/TD) ⁽⁴⁾	330/640 (MD/TD) ⁽⁴⁾	176/80
TC 114	18.0	3.2	19/20 (MD/TD) ⁽⁴⁾	360/670 (MD/TD) ⁽⁴⁾	187/86
TC 120	21.5	6.0	-	-	174/79
TC 220	24.0	5.0	-	-	163/73

Remark:

(1) Value reported is an estimate based on ExxonMobil Chemical's correlation from melt flow rate data measured at other standard conditions

(2) Bookfield viscosity at 190°C in mPa.s using ASTM D 3236 test method

(3) Technical data sheets are also available for Optema products for other fabrication processes such as cast film, molding, and extrusion coating

(4) The data are based on blown film sample using ASTM D 882 test method

Typical values are not specifications, but are provided to aid formulators in the selection of products for evaluations.

ETM: ExxonMobil Test Method

Vistamaxx™ performance polymers - typical values

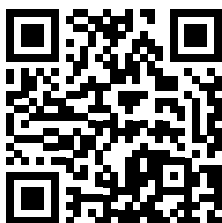
Grade	Density	Viscosity at 190°C (374°F)	Melt mass-flow rate (MFR)	Glass transition, T _g	Melting point, T _m
	ExxonMobil method, g/cm ³	ExxonMobil method cP (mPa·s)	ExxonMobil method 230°C/2.16 kg	ExxonMobil method °F/°C	ExxonMobil method °F/°C
6202	0.862 ⁽¹⁾	-	20	-	-
6502	0.865 ⁽¹⁾	-	45 ⁽²⁾	-	-
8380	0.864	7570	-	-24/-31	212/100
8780	0.864	3980	-	-26/-32	205/96
8880	0.879	1200	-	-7/-22	206/97

(1) Test method based on ASTM D1505

(2) Test method based on ASTM D1238

Tackifiers and polymers for adhesion applications

End-use	Escorez™ 1000 tackifier	Escorez™ 2000 tackifier	Escorez™ 5000 tackifier	Scorene™ Ultra EVA	Vistamaxx™ polymers
Hot-melt adhesives					
Nonwovens			▪		▪
Packaging	▪	▪	▪	▪	▪
Bookbinding	▪	▪	▪	▪	▪
Woodworking		▪	▪	▪	▪
Assembly		▪	▪	▪	▪
Carpet backing	▪	▪		▪	▪
Sealants	▪	▪	▪		▪
Converting					
Tapes	▪	▪	▪		
Labels	▪	▪	▪		▪
Pipe wrapping	▪	▪			
Wax blending	▪	▪	▪	▪	
Road marking	▪			▪	▪
Tire	▪				



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