Escorez™ Vistamaxx™ Escorene™

ExxonMobil

Europe portfolio

Tackifiers and polymers for better bonding

Energy lives here™



Hot-melt technology – a binding force

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

- Worldwide manufacturing facilities
- Opportunities for low odor and minimal color adhesives
- Global technical support resources from fundamental polymer research to application development and testing
- Regional sales support and customer service teams

Escorez™ tackifiers - typical values

	Softening point	Initial color 50% in toluene	Glass transition temperature, Tg	GPC molecular weight	
				Mn	Mw
Unit	°C	YI	°C	g/mol	g/mol
Test Method	ETM-e 24	ETM-e 13	ETM 300-90	ETM 300-83	ETM 300-83
Escorez 1000 Series-aliphatic resins					
1102	99.5	37	51	-	-
1102RM	97.8	35	49	1500	-
1304	100.0	29	53	1300	2100
1310LC	93.7	25	47	1200	1900
1401	118.0	30	70	1200	-
Escorez 2000 Series-aromatic modified aliphatic resins					
2173	89.7	70	-	-	-
2184	97.8	82	49	1000	2300
2203LC	92.6	18	45	1100	2200
2206LC	92.6	18	45	1100	2200
Escorez 5300 Series-water white hydrogenated cycloaliphatic resins					
5300	105.0	0.6	55	410	670
5320	124.0	0.4	74	400	700
5340	139.5	0.4	86	400	730
5380	86.2	0.3	36	350	580
Escorez 5400 Series-light color hydrogenated cycloaliphatic resins					
5400	103.4	0.6	52	400	670
5415	118.3	0.4	66	370	720
Escorez 5600 Series-light color hydrogenated aromatic modified cycloaliphatic resins					
5600	102.5	1.0	55	500	800
5615	117.8	1.3	68	570	880
5690	90.5	0.8	44	450	760

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[1]	Tensile strength at break	Elongation at break	Peak melting temperature
Unit	Weight %	g/10 min	MPa	%	°C
Test Method	ETM	ASTM D 1238	ASTM D 638	ASTM D 638	ETM
Escorene™ Ultra ethylene vinyl acetate (EVA) copolymers					
UL 00218CC3	18.0	1.7	46	>100	87
UL 00226CC	26.0	2.0	20	>100	74
UL 00514	14.0	5.0	53	>100	91
UL 02020	20.0	20	35	>100	81
UL 02133EN2	33.0	21	> 5	>750	61
UL 12530CC	30.0	130	11	880	66
AD 0433EH2	33.0	400	1.7	780	62
UL 04533EH2	33.0	45	>4.0	1000	61
UL 05540EH2	39.0	60	>1.8	1300	48
UL 15019CC	19.0	150	4.9	660	83
UL 53019CC	19.0	530	3.2	270	81
UL 00328	27.0	3.0	19	>100	73
UL 00728	27.5	7.0	17	>100	73
UL 00728CC	27.5	7.0	17	>100	73
UL 02528CC	27.5	25	7.8	840	71
UL 04028CC	27.5	41	6.3	740	71
UL 15028CC	27.5	150	3.6	860	68
UL 15028EM1	27.5	150	3.6	860	68
UL 40028CC	28.0	400	2.4	580	67
UL 40028EM1	28.0	400	2.4	580	67
UL 8705	27.6	9300[2]	2	360	71

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
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 ExxonMobil method, g/cm³	Viscosity at 190°C ExxonMobil method (mPa•s)	Melt mass-flow rate (MFR) ExxonMobil method 230°C/2.16 kg	Glass transition, Tg ExxonMobil method °C	Melting point, Tm ExxonMobil method °C
2330	0.870	-	300	-	-
3000	0.873(1)	-	8	-	-
3980FL	0.878 (1)	-	8	-	-
6102	0.862 (1)	-	3	-	-
6202	0.863 (1)	-	20	-	-
6502	0.865 (1)	-	45	-	-
8380	0.864	7570	-	-31	100
8780	0.864	3980	-	-32	96
8880	0.879	1200	-	-22	97

(1) Test method based on ASTM D1505

Tackifiers and polymers for adhesion applications

End-use	Escorez™ 1000 tackifier	Escorez™ 2000 tackifier	Escorez™ 5000 tackifier	Escorene™ 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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