

Specialty Polymers for
Adhesives & Sealants

Introducing the
"New Kid on the Block"


VECTOR
STYRENIC BLOCK COPOLYMERS

Polymers Group
a quality business

Specialty Polymers for Adhesives & Sealants

TYPICAL PROPERTIES

		RING & BALL SOFTENING POINT, °C	MOLTEN GARDNER COLOR	MOLTEN GARDNER COLOR STABILITY, 16h/150°C	T _g (MIDPOINT) by DSC, °C	GPC MOLECULAR WEIGHT, M _w	POLYDISPERSITY, M _w /M _n	VISCOSITY at 177°C, cps	WAX CLOUD POINT, °C ⁽¹⁾
1000 SERIES	1102	100	7	16	51	2400	3.3	625	155
	1304	100	6	14	51	1640	2.3	475	115
	1310LC	93	5	12	46	1460	2.1	300	95
	1315	115	7	14	65	2570	3.0	1800	155
	1504	100	5	10	51	1850	2.3	450	120
2000 SERIES	1580	80	6	15	34	1065	1.9	100	80
	2101	93	10	12	44	1130	2.4	175	70
	2393	93	7	9	45	995	2.3	160	70
	2520	20	3	10	-16	380	1.5	-	70
5000 SERIES	2596	96	4	10	48	2105	2.6	500	110
	7105	112	12	>18	63	765	2.1	475	70
	7312	112	8	11	63	720	2.1	500	70
9000 SERIES EMULSIONS ⁽³⁾	5380	85	<<1	2	36	360	2.4	100	70
	5300	105	<<1	2	50	400	2.5	300	70
	5320	125	<<1	2	66	400	2.5	1500	70
9000 SERIES EMULSIONS ⁽³⁾	5340	140	<<1	2	85	425	2.3	5000	70
	9191	56	46	0.30	350	A	⁽¹⁾ 40% TACKIFIER 20% ESCORENE UL 7750 40% 158°F MP PARAFFIN WAX ⁽²⁾ A ALIPHATIC M AROMATIC MODIFIED ALIPHATIC ⁽³⁾ ANIONIC; 7.0 pH		
	9241	56	-1	0.32	300	M			
	9271	56	28	0.32	300	M			

EXXON
CHEMICAL

EXXON CHEMICAL COMPANY
P. O. Box 3272, Houston, TX 77253-3272

TYPICAL PROPERTIES	
MELT FLOW RATE, g/10 min	
DENSITY, g/ml	
TENSILE at BREAK ⁽¹¹⁾ PSI	
ELONGATION at BREAK, %	
ESCORENE® POLYPROPYLENE	
4092	2.3
4252	3.1
4502	3.1
	0.9
	0.9
	13,000 MD ⁽¹²⁾ 7,500 TD ⁽¹³⁾
	12,800 MD 7,300 TD
	12,000 MD 7,300 TD
	600 MD 700 TD
	720 MD 780 TD

TYPICAL PROPERTIES	
TYPE	
GAUGE, mil	
TENSILE, psi MD	
ELONGATION, % MD	
SECANT MODULUS, psi MD	
EXTREL® FILM	
LFL-4	PE
LFL-6	PE
LFL-16	PE
EXTREL 31	PP
EXTREL 34	COPOLYMER
EXTREL 35	COPOLYMER
	3.0
	4.6
	5000
	7500
	700
	65000
	3000
	350
	36000
	700
	29000
	460
	600
	105000
	1

TYPICAL PROPERTIES	
% STYRENE	
MELT FLOW RATE (COND. G)	
% DIBLOCK	
% ASH	
% VOLATILES	
VECTOR® STYRENIC BLOCK COPOLYMERS	
4111-D	18
4113-D	15
4114-D	15
	11
	10
	24
	0
	18
	0.3
	0.3
	0.4
	0.35
	0.35

Specialty Polymers for Adhesives & Sealants

Adhesives & Sealants Industry Sector

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