

EVAFLEX™ List of Typical Properties

Grade	Test item	Melt flow rates	VA content	Density	Tensile stress at break	Tensile breaking strain	Bending rigidity	Durometer A hardness	Vicat softening temperature	Melting point	Main applications	Food hygiene				
	Measurement method	JIS K7210:1999(190°C, 2.16 kg load)/th>	JIS K7192 :1999	JIS K7112 :1999	JIS K7161-1:2014 K7161-2:2014*1	JIS K7161-1:2014 K7161-2:2014*1	JIS K7106 :1995	JIS K 7215 :1986	JIS K7206 :1999	(DSC)		○: Listed (acquired), X: Not listed (not acquired) - Unknown 1) Dow-Mitsui Polychemicals has not conducted an elution test using a food simulant-solvent. 2) Even if it is listed (acquired), there may be various restrictions and other requirements, please make sure to confirm the details with us. 3) Food hygiene information does not necessarily reflect the latest version of each law or regulation (including voluntary standards). Please be sure to confirm the details with us.	MHLW Positive Lists	JCIH Center JHOSPA Type Confirmation Certificate	US FDA 21CFR	European PIM
	Unit	g/10min	% (Mass percentage)	kg/m3	Mpa	%	Mpa	-	°C	°C						
	EV45LX	2.5	46	980	2.5	1000 or more	1 or less	43	30 or less	-	Extrusion molding(sheets, electrical wire)	○	○	○	○	
	EV45X	100	46	970	0.2	More than 1000	Less than 1	36	Less than 30	-	Coatings, raw material for adhesives, various polymer blends	○	○	○	○	
	EV4QLW	2	41	970	11	More than 1000	2	47	Less than 30	47	Extrusion molding(electrical wire), foaming(shoes), various polymer blends	○	X	○	○	
	EV40W	65	41	970	3	More than 1000	1	49	Less than 30	47	Coatings, raw material for adhesives, various polymer blends	○	○	○	○	
	V5774ETWR	700	33	960	2	More than 1000	6	66	Less than 30	62	Coatings, raw material for adhesives, various polymer blends	○	○	○	○	
	V5772ETR	400	33	960	3	More than 1000	6	69	Less than 30	61	Coatings, raw material for adhesives, various polymer blends	○	○	○	○	
	V5773W	90	33	950	5	More than 1000	6	67	Less than 30	56	Coatings, raw material for adhesives, various polymer blends	○	X	○	○	
	EV150	30	33	960	7	900	8	71	32	61	Coatings, raw material for adhesives, various polymer blends	○	○	○	○	
	V523	14	33	960	13	900	9	75	34	63	Extrusion molding (films, sheets, electrical wire)	○	○	○	○	
	EV170	1	33	960	14	800	8	72	33	62	Extrusion molding(pipes, hoses, electrical wire)	○	○	○	○	
	EV180	0.2	33	960	26	600	7	75	39	62	Extrusion molding(Electric wire)	○	X	○	○	
	EV205WR	800	28	950	3	900	14	80	32	73	Coatings, raw material for adhesives, various polymer blends	○	X	○	○	
	EV210	400	28	940	2	800	7	70	Less than 30	62	Coatings, raw material for adhesives, various polymer blends	○	○	○	○	
	EV210ETR	400	28	950	5	900	13	81	34	73	Coatings, raw material for adhesives, various polymer blends	○	○	○	○	
	EV220	150	28	950	4	900	10	76	31	65	Coatings, raw material for adhesives, various polymer blends	○	○	○	○	
	EV220ETR	150	28	950	6	900	13	80	35	71	Coatings, raw material for adhesives, various polymer blends	○	○	○	○	
	EV250	15	28	950	13	800	14	81	39	71	Injection molding, extrusion molding, raw material for adhesives, various polymer blends	○	○	○	○	
	EV250R	15	28	950	16	900	12	80	38	71	Raw material for adhesives, various polymer blends	○	○	○	○	
	EV260	6	28	950	21	800	16	83	42	72	Extrusion molding (pipes, oddly-shaped goods), raw material for adhesives, various polymer blends	○	○	○	○	
	V421	4	28	950	25	800	15	83	42	73	Extrusion molding (Electric wire)	○	○	○	○	
	EV270	1	28	950	26	700	15	83	44	72	Extrusion molding (Electric wire)	○	○	○	○	
	EV310	400	25	940	3	800	11	78	30	66	Raw material for adhesives, various polymer blends	○	○	○	○	
	EV360	2	25	950	27	700	24	87	49	77	Extrusion molding (oddly-shaped goods), raw material for adhesives, various polymer blends	○	○	○	○	
	V406	20	20	940	16	800	30	89	50	83	Extrusion molding (sheets), calendar molding (sheets)	○	○	○	○	
	V422R	0.9	20	940	32	800	38	90	60	84	Extrusion molding (sheets), calendar molding (sheets)	○	X	○	○	
	V577	800	19	930	3	300	21	85	32	73	Raw material for adhesives, various polymer blends	○	○	○	○	
	EV410	400	19	930	4	600	24	87	36	75	Raw material for adhesives, various polymer blends	○	○	○	○	
	EV420	150	19	940	7	700	27	88	42	79	Raw material for adhesives, various polymer blends	○	○	○	○	
	EV450	15	19	940	14	800	32	91	52	84	Injection molding, extrusion coating, raw material for adhesives, various polymer blends	○	○	○	○	
	EV460	2.5	19	940	23	700	38	91	58	84	Extrusion molding (irregular shapes, etc.), foaming, raw material for adhesives, various polymer blends	○	○	○	○	
	V5274	0.8	17	940	27	700	48	93	66	89	Extrusion molding(Electric wire)	○	○	○	○	
	V5951	18	17	940	11	600	51	92	53	95	Extrusion molding	-	X	-	-	
	V5714C	2.7	16	940	24	700	51	92	65	89	Extrusion (Film)	○	○	○	○	
	EV550	15	14	930	15	700	51	93	62	89	Injection molding, extrusion coating, raw material for adhesives, various polymer blends	○	○	○	○	
	EV560	3.5	14	930	18	700	57	93	66	90	Extrusion molding (irregular shapes, etc.), foaming, raw material for adhesives, various polymer blends	○	○	○	○	
	P1403	1.3	14	930	21	700	55	94	68	92	Extrusion molding (films, sheets)	○	○	○	○	
	V56113	20	12	930	12	600	74	95	64	96	Injection molding	○	X	○	○	
	P1207	12	12	930	15	700	60	94	66	92	Raw material for adhesives, various polymer blends	○	○	○	○	
	V987	0.3	12	930	26	600	72	94	76	94	Extrusion molding (irregular shapes, etc.)	○	X	○	○	
	P1007	9	10	930	15	700	72	95	71	94	Injection molding, extrusion molding (films)	○	○	○	○	
	V5961	1.7	9	930	21	700	79	95	74	97	Extrusion molding (films)	○	○	○	○	

Note: The displayed data are typical values and cannot be used as standard values.

* Tensile test - test piece type and testing speed: JIS K 7161-2 / 1BA / 20

• Only typical grades are listed in this table. Please contact Dow-Mitsui Polychemicals to inquire if other grades are available.