

KURARAY POVAL Special Grades

Type	Grade [KURARAY POVAL]		Viscosity [mPa.s]	Hydrolysis [mol.-%]	Volatile Max [%]	Ash Max [%]	pH
Carboxylic group	New	Old					
	32-97 KL	KL-118	29.0 - 34.0	95.0 - 99.0	5.0	1.5	6.0 - 8.0
	25-88 KL	KL-318	20.0 - 30.0	85.0 - 90.0	5.0	1.5	5.0 - 7.0
	6-77 KL	KL-506	5.2 - 6.2	74.0 - 80.0	5.0	1.5	5.5 - 7.5
	30-94 KM	KM-618	26.0 - 34.0	92.5 - 95.5	5.0	0.6	6.0 - 8.0
	3-86 SD	SD-1000	2.4 - 3.4	83.0 - 88.0	5.0	1.4	n.a.
Cationic group	23-88 CM	CM-318	17.0 - 27.0	86.0 - 91.0	6.0	0.3	n.a.
Silanol group	25-98 R	R-1130	20.0 - 30.0	98.0 - 99.0	5.0	0.6	n.a.

KURARAY POVAL for PVC

Type	Grade [KURARAY POVAL]	Viscosity [mPa.s]	Hydrolysis [mol.-%]	Volatile Max [%]	Ash Max [%]	pH
Primary Suspending Agent	L-8	5.0 - 5.8	69.5 - 72.5	3.0	1.0	5.0 - 7.0
	L-9	5.5 - 6.1	69.5 - 72.5	3.0	1.0	5.0 - 7.0
	L-9-78	6.0 - 6.7	76.5 - 79.0	5.0	1.2	5.0 - 7.0
	L-10	5.0 - 7.0	71.5 - 73.5	5.0	1.0	5.0 - 7.0
	L-11	5.5 - 7.5	71.5 - 73.5	3.0	0.5	5.0 - 7.0
	L-12	5.5 - 7.5	71.5 - 73.5	3.0	0.4	n.a.
	L-508	6.0 - 7.0	71.5 - 73.5	5.0	0.2	5.0 - 7.0
	32-80	29.0 - 35.0	79.0 - 81.0	5.0	0.4	5.0 - 7.0
	35-80	32.0 - 38.0	79.0 - 81.0	5.0	0.4	5.0 - 7.0
	48-80	45.0 - 51.0	78.5 - 80.5	5.0	0.2	5.0 - 7.0
Secondary Suspending Agent	LM-10 HD	4.5 - 5.7	38.0 - 42.0	3.0	0.6	n.a.
	LM-10 S2	4.5 - 5.7	38.0 - 42.0	3.0	0.6	n.a.
	LM-20	3.0 - 4.0	38.0 - 42.0	3.0	1.0	n.a.
	LM-25	3.0 - 4.0	33.0 - 38.0	3.0	1.0	n.a.

EXCEVAL Grades

Type	Grade [EXCEVAL]	Viscosity [mPa.s]	Hydrolysis [mol.-%]	Volatile Max [%]	Ash Max [%]	pH
Super Hydrolyzed	HR-3010	12.0 - 16.0	99.0 - 99.4	5.0	0.4	5.0 - 7.0
Fully Hydrolyzed	RS-2117	25.0 - 30.0	97.5 - 99.0	5.0	0.4	5.0 - 7.0
	AQ-4104	3.5 - 4.5	98.0 - 99.0	5.0	0.4	4.0 - 7.0
Medium Hydrolyzed	RS-1717	23.0 - 30.0	92.0 - 94.0	5.0	0.4	5.0 - 7.0

Note: (1) Viscosity is measured at 4% aqueous solution at 20°C determined by Brookfield synchronized-motor rotary type.
(2) Ash content is measured at dry basis as Na₂O.

This information is based on our present state of knowledge and is intended to provide general notes on our products on their use. It should therefore not be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Condition of Sales.

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