

Tailor made hydrocarbon resins

Indene-Coumarone-Resins

NOVARES	Softening Point (Ring & Ball) [°C] ASTM D3461	OH Content [%]	Typical Colour (Gardner) ISO 4630	Colour (Gardner) 50% in Toluene	
C 10	liquid	–	9*	max 13*	Indene-coumarone-resins
C 30	20 - 30	–	8	5 - 11	
C 70	65 - 75	–	7	5 - 9	
C 80	75 - 85	–	7	5 - 9	
C 90	85 - 95	–	7	4 - 10	
C 100	95 - 105	–	7	4 - 10	
C 120	115 - 125	–	7	5 - 9	
C 140	135 - 145	–	8	4 - 10	
C 160	155 - 165	–	7	4 - 9	
CA 80	75 - 85	app. 3.5	7	4 - 10	
CA 100	95 - 105	app. 2.4	7	6 - 10	
CA 120	115 - 125	app. 1.1	6	4 - 9	

*undiluted

Modifiers

NOVARES	Viscosity 25 °C [mPas] DIN 53019	Density 20 °C [g/ml] DIN 51757	OH Content [%]	Typical Colour (Gardner) undiluted ISO 4630	Colour (Gardner) undiluted		
L 100	50 - 150	1.00 - 1.06	–	1	max. 4	Modifiers for reactive resin systems (EP, PUR, Polysulfide) to improve hydrophobicity, flexibility. Tackifiers for adhesives.	
L 800	800 - 1000	1.06 - 1.10	–	9	max. 14		
LA 100	120 - 200	1.01 - 1.05	2.0 - 2.5	1	max. 6		
LA 300	300 - 400	1.01 - 1.05	1.7 - 2.2	2	max. 6		
LA 700	700 - 800	1.01 - 1.05	2.3 - 2.8	3	max. 6		
LA 1200	1200 - 1500	1.05 - 1.09	2.4 - 2.7	5	max. 14		
LS 500	400 - 1400	1.05 - 1.09	7.0 - 7.6	4	max. 6		
LX 200	200 - 700	1.01 - 1.05	3.3 - 4.3	2	max. 5		
LC 5	70 - 130	1.01	0.4 - 0.6	2	< 4		Low viscosity modifiers with wide polarity range for reactive systems (epoxy, polyurethanes, polysulfides and acrylates).
LC 15	100 - 180	1.02	1.4 - 1.6	2	< 4		
LC 20	130 - 200	1.03	1.8 - 2.2	2	< 4		
LC 25	150 - 250	1.03	2.3 - 2.7	3	< 4		
LC 30	200 - 300	1.04	2.8 - 3.2	3	< 4		
LC 40	350 - 450	1.05	3.8 - 4.2	3	< 4		
LC 50	500 - 650	1.06	4.8 - 5.2	3	< 5		
LC 60	600 - 750	1.07	5.7 - 6.1	3	< 5		
LC 65	650 - 800	1.08	6.2 - 6.6	3	< 5		
H 1100	800 - 1200	1.02 - 1.08	–	9	7 - 17	Tar oil and pitch-free formulations based on hydrocarbons. Improved chemical resistance and increased corrosion protection in epoxy- and polyurethane-systems.	
HA 30	25 - 35	0.98 - 1.03	0.9 - 1.3	4	max. 14		
HA 1100	800 - 1200	1.02 - 1.08	1.4 - 1.9	8	max. 17		
HA 2100	2200 - 2800	1.02 - 1.08	1.6 - 2.0	8	max. 17		
HA 1200 L	600 - 1000	1.02 - 1.08	1.3 - 1.7	10	max. 17		

Hydrocarbon-Resins

NOVARES	Softening Point (Ring & Ball) [°C] ASTM D3461	OH Content [%]	Typical Colour (Gardner) 50% in Toluene ISO 4630	Colour (Gardner) 50% in Toluene ISO 4630	
TA 100	95 - 105	app. 1.0	7	5 - 9	Phenol-modified C9-hydrocarbon resins.
TA 120	115 - 125	app. 1.0	6	5 - 9	
TD 90	85 - 95	–			C9-hydrocarbon resins for a wide range of applications.
TD 90 D	85 - 95	–			
TD 100	95 - 105	–			
TD 100 D	95 - 105	–			
TD 120	115 - 125	–			
TNA 80	75 - 85	app. 3.0	8	4 - 10	
TNA 120	115 - 125	app. 1.2	7	5 - 10	
TL 10	liquid	–	8*	max. 8*	Hydrocarbon resins based on selected constituents of petroleum-derived C9-fraction.
TL 90	85 - 95	–	6	max. 9	
TL 100	95 - 105	–	6	max. 9	
TL 120	115 - 125	–	6	max. 9	
TM 20	liquid	–	1*	max. 4*	Hydrocarbon resins based on pure monomers with excellent UV- and thermal stability.
TM 90	85 - 100	–	1	max. 2	
TMA 20	liquid	1.5 - 2.0	4*	2 - 5*	dto, Phenol modified
TN 15	liquid	–	9*	max. 15*	Hydrocarbon resins based on selected constituents of petroleum-derived C9-fraction. Distinguished by excellent EVA-compatibility and superior solubility in a wide range of solvents.
TN 80	75 - 85	–	7	max. 10	
TN 100	95 - 105	–	6	5 - 10	
TN 120	115 - 125	–	7	5 - 10	
TN 140	135 - 145	–	7	5 - 10	
TN 150	145 - 155	–	7	5 - 10	
TN 160	155 - 165	–	6	5 - 10	
TN 160 T	155 - 165	–	7	5 - 10	
TN 170	165 - 175	–	6	5 - 10	
TK 90	85 - 95	–	8	7 - 10	
TK 90 H	85 - 95	–	6	4 - 6	
TK 100	95 - 105	–	8	7 - 10	
TK 100 H	95 - 105	–	5	4 - 6	
TK 120	115 - 125	–	8	5 - 10	
TP 100	95 - 105	–	6	5 - 8	
TS 100	95 - 105	–	8	5 - 8	
TS 120	115 - 125	–	8	5 - 8	
TS 140	135 - 145	–	6	5 - 8	
TT 30	20 - 35	–	9	8 - 18	
TT 90	85 - 95	–	8	4 - 9	
TT 100	95 - 105	–	7	4 - 9	
TT 120	115 - 125	–	6	4 - 9	
TT 140	135 - 145	–	8	4 - 9	
TV 100	95 - 105	–	7	5 - 10	Hydrocarbon resin based on selected constituents of C9-raw material. Excellent EVA, wax and mineral oil compability.
TV 120	115 - 105	–	7	5 - 10	

* undiluted

This information is based on present level of knowledge. Since the individual application conditions are beyond our control, no warranty or product liability can be given.