



TAKING THE STRESS, EASING THE STRAIN

Mardan B.V.
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VELREZ HYDROCARBON RESINS

	Soft. Point R&B (°C)	Gard. Color 50% in Tol.	Acid Value (mgKOH/g)	Ash (%)	Applications
C9 - Aromatic - Catalytic polymerized					
Velrez 9Z4-100	95 - 105	< 4	< 0,3	< 0,05	Paint Industry, Tire and Rubber bitumen modification. , HM Adhesives
Velrez 9Z4-110	105 - 115	< 4	< 0,3	< 0,05	
Velrez 9Z4-120	115 - 125	< 4	< 0,3	< 0,05	
Velrez 9Y4-140	135 - 145	< 6	< 0,1		
Velrez 9Y4-150	150 - 155	< 6	< 0,1		
C9 modified C9 - Catalytic polymerized					
Velrez 9Z12-105	100 - 110	< 13	< 0,3	< 0,05	Printing ink, Rubber compounding and paint
Velrez 9Z12-115	110 - 120	< 13	< 0,3	< 0,05	
Velrez 9Z12-120	115 - 122	< 13	< 0,3	< 0,05	
MA modified C9 - Catalytic polymerized					
Velrez 9YMA4-140	135 - 145	< 12	4		Polymer Bitumen modification and printing ink
Velrez 9YMA8-140	135 - 145	< 12	8		
C9 - Aromatic - Thermal polymerized					
Velrez TP9Q12-105	100 - 105	< 12	< 0,3	< 0,05	Printing ink, Rubber compounding, bitumen and Alkyd paint
Velrez TP9Q12-115	110 - 120	< 12	< 0,3	< 0,05	
Velrez TP9Q12-135	130 - 140	< 12	< 0,3	< 0,05	
Coumarone Indene modified - Aromatic resin					
Velrez 9Z18-100	100 - 105	18		< 0,04	Bitumen roofing and Foundry
Velrez 9Z18-110	105 - 115	18		< 0,04	
Velrez 9Z18-120	115 - 123	18		< 0,04	
C9 Hydrogenated					
Velrez W9Z0-100	96 - 105	< 0,4			Fully Hydrogenated
Velrez W9Z0-120	115 - 125	< 0,4			Fully Hydrogenated
Velrez W9Z1-100	95 - 105	< 0,4			Partly Hydrog., low aromatic content
Velrez W9Z1-120	95 - 105	< 0,4			Partly Hydrog., low aromatic content
Velrez W9Z1-130	95 - 105	< 0,4			Partly Hydrog., low aromatic content
Velrez W9Z2-100	95 - 105	< 0,4			Slightly Hydrogenated, high aromatic content
Velrez W9Z2-120	115 - 125	< 0,4			



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DCPD Hydrogenated					
Velrez WDL1-105	100 - 109	< 0,1	< 0,1		Fully Hydrogenated
Velrez WDL1-115	110 - 119	< 0,1	< 0,1		Fully Hydrogenated
Velrez WDL1-125	120 - 129	< 0,1	< 0,1		Fully Hydrogenated
Velrez WDL1-130	128 - 133	< 0,1	< 0,1		Fully Hydrogenated

Velrez WDH1-100	95 - 105	< 0,1	< 0,1		Fully Hydrogenated
Velrez WDH1-110	105 - 115	< 0,1	< 0,1		Fully Hydrogenated
Velrez WDH1-120	115 - 125	< 0,1	< 0,1		Fully Hydrogenated

C5 - Aliphatic					
Velrez 5LRM4-100	98 - 102	< 5	< 0,5	< 0,05	Road marking
Velrez 5HRM5-100	95 - 105	< 5	0,6 - 1,6	< 0,05	Road marking, resin higher in viscosity
Velrez 5ZA5-100	96 - 104	< 5	< 0,3	< 0,05	General purpose, HM Adhes. and rubber
5L4-100	96 - 104	< 4	< 0,1	< 0,05	Hotmelt PSA
5Z2-100	97 - 104	< 2	< 0,3	< 0,05	Hotmelt PSA, low Mw, low color
5ZR5-100	95 - 105	< 8	< 0,6	< 0,05	Rubber compounding, roadmarking
5HL4-11	Liquid	< 5	< 0,2		Viscosity 11.000 mPas*s @ 40°C

C9 modified C5 (Ratio C9 / C5)					
Velrez 5HL4-90	90 - 95	< 4	< 0,1	< 0,05	Hotmelt PSA & HM pack. Adhesives
Velrez 5HH3-100	94 - 104	< 3	< 0,2	< 0,06	Hotmelt PSA & HM pack. Adhesives

C5 Hydrogenated		Yellow Index			
Velrez W5Z6-100	95 - 105	6	< 0,5		Slightly Hydrogenated., HM Adesives
Velrez W9Z4-100	95 - 105	4	< 0,5		Partly Hydrogenated
Velrez W9Z2-100	96 - 105	2	< 0,5		Fully Hydrogenated

