

## Grades

### Features of DENKA Chloroprene for Adhesive and Moulding Applications.

Grade	Crystallization Rate	Mooney Viscosity (MS2+2.5)	Solution Viscosity	Features	
<b>General Grades</b>					
A-30	Fast	20±3		Low Viscosity	
A-70		40±3			
A-90		48±4		For General adhesive applications	
A-100		57±5			
A-120		67±5		High Viscosity	
A-400				500-1,500°	Extremely high viscosity
M-40	Medium	48±5'''		Low Viscosity	
M-100		100±10'''		For General adhesive applications	
M-130L			1,000-1,500''	High initial strength, long tack	
M-130H				1510-2700''	retention time, high viscosity
<b>Special Grades</b>					
A-90S	Fast	48±4		Light colour chip, high solution transparency	
A-91		48±4		High reactivity with isocyanate	
DCR-11		>80'''		High thixotropy	
DCR-15L				1,510-2700''	High Viscosity
DCR-15H				2710-4000''	Low Solid content
DCR-25				2710-5,000''	High initial strength ,high viscosity

Notes: °5% Tol solution viscosity (mPas.s) at 20°C

''10% Tol solution viscosity (mPa.s) at 20°C

''' Mooney viscosity (ML 1+4) at 100°C

Grade	Crystallization Rate	Mooney Viscosity ML1+4@100' 0	Typical Applications / Properties
M-30	Medium	38+4	General purpose, low viscosity version of M-40
M-40	Medium	48+5	General purpose, belts, hoses other industrial articles
M-41	Medium	48+5	General purpose, version of M-40 with less sticking and mold contamination
M-100	Medium	100+10	General industrial articles (for high loading)
M-120	Medium	120+10	Sheets, packings, hoses other industrial articles (for high loading)
S-40	Slow	48+5	General industrial articles/products requiring low-temperature resistance
S-41	Slow	48+5	General industrial articles, version of S-40 with less roll sticking and mold combination
S-40V	Very Slow	48+5	General industrial articles/products requiring better low temperature resistance than S-40, less roll sticking and mold contamination
EM-40	Medium	48+5	Calendared sheets, extruded products, and sponge products with complex shapes
ES-70	Very Slow	75+5	Calendared sheets, extruded products, and sponge products with complex shapes, requiring low temperature resistance (for high loading)
MT-40	Medium	48+5	Calendared sheets, extruded products with excellent balance between extrusion characteristics and mechanical strength
PM-40NS	Medium	50+10'	Sulphur modified type, for non-discolouring of non-staining articles, suitable for belts, sponge wire coating and vibration insulator
PS-40A	Slow	30-55	Sulphur modified type, with improved low temperature resistance suitable for belts, sponge wire coating, and vibration insulator
DCR-30	Very Slow	120+10	General industrial articles/products requiring low temperature resistance (for high loading)
DCR-31	Very Slow	80+10	Same purpose as DCR-30 (for high loading)
DCR-34	Slow	65+7	General industrial articles, with high heat resistance and mechanical strength
DCR-35	Extremely Slow	65+7	General industrial articles/products requiring low temperature resistance (for high loading)
DCR-36	Very Slow	80+10	General industrial articles, suitable for applications requiring low temperature resistance and injection molding

DCR-40	Slow	40-55'	Sulphur modified type, suitable for belts, sponge and molded articles
DCR-40A	Slow	35-50	Sulphur -modified type, with improved heat resistance and storage stability
DCR-42A	Medium	40-55	Xanthate-modified type, high strength and high loading, suitable for cables and hoses
DCR-48	Medium	40-60	Sulphur modified type, version PM 40NS with faster vulcanization speed
DCR-49	Medium	40-60	Sulphur modified type, suitable for sponges
DCR-66	Very Slow	70+10	Xanthate-modified type, high strength and high loading, excellent low temperature resistance
DCR-70	Extremely Slow	40+4	Low viscosity version of DCR -35
DCR-105	Slow	35-50'	Sulphur modified type, improved heat resistance, low temperature resistance and storage stability

