

HC-100 Technical Data Sheet

Product Description

HC-100 is a water white, odorless and good thermal stability hydrogenated cycloaliphatic hydrocarbon resin. The resin is designed to tackify a variety of adhesive polymers including EVA, SIS, and APAO for hot melt adhesives (HMA) and hot melt pressure sensitive adhesives (HMPSA).

Appearance

Water white hemispherical pellet (Pellet Type)

Product Specifications

Properties	Unit	Range	Test Method
Softening Point	°C (Ring & Ball)	103±5	ASTM E 28
Color	APHA (HAZEN)	<30	ASTM D 1209
Thermal Color Stability	Gardner # (180°C, 72hr)	<15	ASTM D 1544

Typical Properties

Properties	Unit	Typical Value	Test Method
Softening Point	°C (Ring & Ball)	103	ASTM E 28
Color	APHA (HAZEN)	20	ASTM D 1209
Thermal Color Stability	Gardner # (175°C, 5hr)	<1	ASTM D 1544
	Gardner # (180°C, 72hr)	8	ASTM D 1544
Melt Viscosity	cPs (180°C)	200	ASTM D 3236
Molecular Weight	Mw (Weight Average)	420	GPC
Aromaticity	% (Aromatic Double Bond)	<1	H-NMR

※ Properties reported here are typical of average lots measured by the Quality Assurance Team. With regard to properties of supplied products, please refer to the Certificate of Analysis of each lot.

Packaging

Standard package for HC-100 is available in both 25kg multi-layer paper bag and 500kg Flecon bag.

Storage

Due to the thermoplastic behavior, flaked and pastillated resins may fuse or lump under high temperature. We therefore recommend storing the material in a ambient temperature - controlled area to maintain product performance.