

PRODUCT INFORMATION

HIKOREZ R-1100S **Aliphatic hydrocarbon resin**

HIKOREZ R-1100S is pale yellow thermoplastic resin obtained from polymerizing unsaturated aliphatic olefins and diolefins derived from the process of thermal cracking of naphtha. The major usage is binder for hot melt road marking. This resins shows outstanding affinity for pigments and superior processability in the hot melt road marking application.

SPECIFICATIONS

Softening Point (Ring & Ball, °C)	94-102	ASTM E 28
Color (Molten Resin, Ga.#)	Max.6	ASTM D 1544
Heat Stability (@200°C, 3hrs, Ga.#)	Max.8	ASTM D 1544
Acid Value (KOH mg/g)	2.0-3.0	ASTM D 1639
Melt Viscosity (BRF, @200°C, cps)	Max.250	ASTM D 3236

TYPICAL PROPERTIES

Specific Gravity (20/20°C)	0.98	ASTM D 71
Softening Point (Ring & Ball, °C)	100	ASTM E 28
Color (Molten Resin, Ga.#)	5	ASTM D 1544
Heat Stability (@200°C, 3hrs, Ga.#)	6	ASTM D 1544
Acid Value (KOH mg/g)	2.5	ASTM D 1639
Melt Viscosity BRF, @140°C, cps	7,500	ASTM D 3236
BRF, @200°C, cps	170	
Molecular Weight (GPC, Mw)	2,800	G.P.C

PACKAGING

HIKOREZ R-1100S is available both in big bags of 500kgs net weight and in multi-ply paper bags of 25kgs net weight.

STORAGE

Pelletized forms of resins may block or lump in hot weather climates or if stored near heat sources. Inside storage is recommended and keep at temperature not exceeding 30°C

REGULATORY STATUS

HIKOREZ R-1100S is in compliance with the requirements of the U.S FDA for following sections.

- 175.105 Adhesives
- 175.125 Pressure sensitive adhesives
- 175.300 Resinous and polymeric coatings
- 175.320 Resinous and polymeric coatings for poly olefin films
- 176.170 Components of paper and paperboard in contact with aqueous and fatty foods.
- 176.180 Components of paper and paperboard in contact with dry food
- 177.1210 Closures with sealing gaskets for food containers
- 177.2600 Rubber articles intended for repeated use