

Technical Data Sheet

Regalite™ C6100L Hydrocarbon Resin

Applications

- Adhesives/sealants-b&c
- Bookbinding
- Carpet construction
- Case & carton sealing closings
- Casting wax
- Commercial printing inks
- Hygiene adhesives
- Labels non food contact
- Polymer modification
- Protective coatings
- Specialty tape
- Tape non food contact
- Tires

Key Attributes

- Excellent heat stability
- Water-white color
- Wide compatibility

Product Description

Regalite™ C6100L Hydrocarbon Resin is a hydrogenated water-white hydrocarbon resin developed derived from petrochemical feedstocks. This resin is especially designed as a component of a multipart tackifier system in hot melt and solvent based pressure sensitive adhesives based on SIS, SBS and SEBS thermoplastic block copolymers, providing superior tack, adhesion and cohesive strength characteristics.

Typical Properties

Property ^a	Test Method ^b	Typical Value, Units ^c
General		
Ring and Ball Softening Point	ASTM E 28	95-105 °C
Color, Gardner ^d	ASTM D 6166	<1
Yellowness Index ^d		
2 cm cell	ASTM E 313	6-13
% Weight Loss		
5g for 5 hours @ 180°C		2.5
Viscosity		
@ 180°C		205 mPa·s
% Aromatic Hydrogen		>6 %

^aUnless noted otherwise, all tests are run at 23°C (73°F) and 50% relative humidity.

^bUnless noted otherwise, the test method is ASTM.

^cUnits are in SI or US customary units.

^d50% resins solids in toluene

Compatibility and Solubility

Soluble in aliphatic, aromatic, and chlorinated hydrocarbon solvents. Insoluble in alcohols and water. Compatible in useful proportions with natural and synthetic rubbers, ethylene-vinyl acetate (EVA) copolymers, amorphous polyolefins, paraffin and microcrystalline waxes, ethylene-vinyl acetate (EVA) resins; styrene-butadiene rubber (SBR) copolymer, styrene-ethylene-butylene-styrene (SEBS), styrene-isoprene-styrene (SIS) and styrene-butadiene-styrene (SBS) block copolymers.

Packaging

The standard package for Eastotac C series resins is a 25-kilogram (55.1-pound) multiwall paper bag. Samples (1 kilogram) are available for evaluation.

Storage

Due to the thermoplastic behavior, pastillated and half-ball resins may fuse, block or lump. This can be accelerated under any of the following conditions: 1) above ambient temperature, 2) prolonged storage, 3) pressure, e.g., stacking pallets, or a combination of these conditions. This is particularly applicable for low softening point resin grades. It should be noted that lumping does not have a negative impact on the product specifications. Due to the nature of the product, claims regarding lumping cannot be accepted.

When stored in accordance with the MSDS, in its original unopened container in an enclosed area and protected from moisture, extreme temperatures and contamination, this product (in solid form only) is estimated to continue to meet applicable sales specifications for more than 2 years from the date of manufacture. First in first out inventory control is recommended.

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