

**Teckros® HX**  
**Highly Hydrogenated Rosin**  
**TECHNICAL DATA SHEET**

**Teckros® HX** is highly hydrogenated rosin with excellent oxidative stability and UV resistance. Hydrogenation provides the most stabilized form of rosin, as well as unique compatibility and adhesive performance, including with acrylic and SBC polymers. High acid functionality provides enhanced adhesion to difficult-to-bond substrates.

	Typical Properties	Specifications
<b>Color, Gardner, 50T</b>	1+	3 max
<b>Color, Gardner, Neat</b>	3	5 max
<b>Acid Value</b>	172	165 min
<b>Softening Point, R &amp; B</b>	78°C	76°C to 82°C
<b>Glass Transition Temp., Tg</b>	29°C	--
<b>Molecular Weight, Mw</b>	306	--
<b>PolyDispersity</b>	1.0	--
<b>Melt Viscosity, cps @125°C</b>	500	--
<b>Melt Viscosity, cps @177°C</b>	25	--
<b>Hydroxyl Value</b>	0	--
<b>Specific Gravity, re: water</b>	1.05	--
<b>Density, lbs/gallon @25°C</b>	8.8	--

**Compatibility** is excellent with a wide range of commonly used adhesive polymers, including EVA, SIS, SBS, SIBS, SBR, natural rubber, acrylic, chloroprene, butyl, and other polymers. Compatibility is more limited with polyolefins. Excellent solubility in virtually all commonly used solvents and alcohols. Insoluble in water without amine neutralization.

**FDA status** **Teckros® HX** and its components meet the requirements of the following sections of the Code of Federal Regulations, Title 21 when used according to the regulations:

- 175.105 Adhesives
- 175.125 Pressure Sensitive Adhesives
- 175.300 Resinous and Polymeric Coatings
- 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

**Packaging** Pastille form in 55 bags

*Statements and recommendations are for guidance purposes only. Teckrez, Inc. makes no guarantees regarding performance in actual adhesive or other formulated products. Responsibility for performance of formulated products is solely that of the user. Resins with softening points below 105 degC are subject to re-massing particularly in warmer months. Re-massing of any kind does not affect final product performance and is not a basis for return, claims or compensation.*