

## Brazilian Gum Rosin X-WW

### Physical and Chemical Data

Analyzed Parameter	Specifications	Reference
Color Gardner (1)	7 max.	ABNT-NBR-9389
Acid Number (mg KOH/g)	155 – 170	ASTM D-465/98
Softening Point (Ring and Ball) (°C)	70 – 78	ASTM E-28/99
Color US Standard	X-WW	ASTM D-509/98
Solubility in ethanol (2)	Soluble	NBR-93891
Crystallization in acetone (1:1) 25°C (24h)	>24h	ABNT-NBR 9388

(1) 50% in Toluene

(2) 100% minimum

### Informative Properties

Parameter*	Specifications	Reference
Total resinous acids (%)	90 min.	-
Saponification Number (mg KOH/g)	165 – 185	ASTM D-464/95
Density (g/cm <sup>3</sup> )	1.06 – 1.09	-
Volatile Oils Content (L/100kg)	0.6 max.	ASTM D-889/99
Insoluble in Toluene (%)	0.02 max.	ASTM D-269/97



Uses: Hot-melt and pressure-sensitive adhesives; mastics and sealants; varnishes; ester gum; soldering compounds; core oils; insulating compounds; soaps; paper sizing, printing inks.

Packaging: blocks: 250 kg galvanized steel drums or fiber drums; flakes: 25 kg cartons or enlaced polypropylene bags.