

## Dow HPL 502 Carboxylated Terpolymer Latex

Category : Polymer

**Material Notes:**

**Applications:** HPL\*502 Latex is part of Dow's HPL\* Latex family of the high-performance ignition resistant latexes. HPL\* latexes offer properties not available in standard styrene-butadiene latexes. HPL\* latex products have chlorine content reacted into the backbone of the polymer that provides a "built in" level of ignition resistance. This inherent ignition resistance enables the formulator to displace some or all of the alumina trihydrate (ATH) with less costly calcium carbonate filler which may result in substantial compound cost savings. The presence of chlorine in the polymer backbone also allows the use of an antimony synergist without the addition of expensive additives. HPL\* latexes are used in the precoat compound for both commercial and residential carpet backing applications. HPL\* latexes are also used in unitary and tile backing applications.

**Benefits:** High Solids Ignition Resistant Blister Resistant Medium Hand

Information provided by Styron

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Dow-HPL-502-Carboxylated-Terpolymer-Latex.php](http://www.lookpolymers.com/polymer_Dow-HPL-502-Carboxylated-Terpolymer-Latex.php)

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in <sup>3</sup>	
Solids Content	57 %	57 %	
Particle Size	1.25 µm	1.25 µm	
pH	7.0	7.0	
Brookfield Viscosity	300 cP	300 cP	#2 @ 50 rpm

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	9.50 °C	49.1 °F	
Oxygen Index	26 %	26 %	0 ATH Load
	30 %	30 %	200 ATH Load
	36 %	36 %	400 ATH Load
	40 %	40 %	600 ATH Load

Descriptive Properties	Value	Comments
Minimum film formation temperature	48.2°F	

## Contact Songhan Plastic Technology Co.,Ltd.

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