〈 〉 AcRo—Pol®
Industrial Polymers

UNIPOL V 022

Unipol V 022 is an APEO free, plasticizer-free aqueous copolymer emulsion based on vinyl acetate and the vinyl ester of a long chain branched carboxylic acid.

	Unit	Value	Method
Sales Specifications			
Solids content	%	50 ± 1	DIN 53189 / ISO 1625
Viscosity	mPa·s	3000 ± 1000	ISO 2555, Brookfield RVT; spindle 4; 20 rpm; 23 °C
pH		4.5 ± 0.5	DIN 53785 / ISO 1148
Typical values of emulsion			
Particle size	µm	0.20 - 0.60	
Minimum film forming temperature (MFFT)	°C	approx. 14	DIN 53787 / ISO 2115
Density	g/cm³	approx. 1.04	ISO 8962
Typical values of film[1]			
Appearance		Clear, tough	
Density	g/cm³	1.12	with reference to DIN 53479
Water absorption	%		with reference to DIN 53495
Tensile Strength	Nmm^2	10	with reference to DIN 53455
Glass transition temperature (Tg)	°C	approx. 18	DIN 53765 (DSC; heating rate 10 K/min)

(1) Dried in standard conditioning atmosphere at 23 °C and 50 % relative humidity (DIN EN 23270)

Applications

Interior and exterior coatings   Primers
Vinyl Silk Paints   Textured coatings

Specific Information

Unipol V 022 gives very good rheological profile to the final paint, excellent pigment binding power and good alkali resistance. It is highly recommend for high quality interior paints which exhibit very high resistance to weathering and could be applied also to exterior surfaces.

Unipol V 022 has relatively high film hardness and is suitable for the manufacture of vinyl silk paints.

Storage

Unipol V 022 can be stored for at least 6 months between +5°C and +40°C.

Packaging

Unipol V 022 is available in 120 kg drums, 1.000 kg IBCs and bulk.