

Resipur 9156/9158

Technical Data Sheet

Characteristics

Resipur 915X is an orthophthalic unsaturated polyester resin and thixotropic.

Resipur 915X is an opaque yellowish liquid, free of impurities.

X - The last digit refers to polymer concentration.

Delivery Form

(1) Resipur 9156, 56 % of polymer diluted in styrene.

(2) Resipur 9158, 58 % of polymer diluted in styrene.

Recommended Application Areas

Laminates by manual processes with good mechanical properties.

Specification

These technical data are determined in every batch.

Viscosity at 25°C	(1) 350 - 450	mPa.s
Brookfield RVT (s21; 20 rpm)	(2) 450 - 550	
MR 05 (ISO 2555)		
Gel Time at 25°C	(1) 10 - 18	min.
0,2% Co at 6% + 2% PMEK at 50%	(2) 6 - 14	
MR 22 (ASTM D 2471)		

Additional Data

They are not subject to constant monitoring or part of the specification. These data are used solely to describe the product.

Polymer Content	(1) 54 - 58	%
	(2) 56 - 60	
MR 12 (ISO 3251)		
Thixotropy Index	≥ 2.5	
Brookfield RVT (s21; 2/20 rpm)		
MR 05 (ISO 2555)		
Density at 20°C	(1) approx. 1.10	
	(2) approx. 1.11	
MR 11 (ISO 2811-1)		
Flash Point	approx. 32	°C
MR 13 (ISO 3679)		

Processing

Resipur 915X can be cured at room temperature by means of the addition of an accelerator (e.g. Cobalt) and of an initiator (e.g. peroxide of methyl ethyl ketone - PMEK).

In order to obtain an ideal performance, it is recommended that the end product should not be used until 7 days after the cure.

The stratification of consecutive layers with more than 24 hours of interval is not recommended.

The application viscosity can be adjusted through the addition of styrene. In this case, the properties of the cured resin may be slightly different.

Properties of Cured Resin

They are not subject to constant monitoring or part of the specification. These data are used solely to describe the product.

Tensile Strength	49	MPa
MR 701 (ISO 527)		
Elongation	2.2	%
MR 701 (ISO 527)		
E-Modulus	4300	MPa
(ISO 527)		
Flexural Strength	105	MPa
(ISO 178)		
Barcol Hardness	47	
MR 704 (ASTM D 2583)		
Shrinkage on Curing	9.5	%
MR 702 (ISO 3521)		
Water Absorption after 7 days 23°C	0.6	%
MR 703 (ISO 62)		

Preservation and Storage

Resipur 915X should be stored in the original and unopened containers and in the absence of light for no longer than 3 months. As far as possible, storage should be at a temperature below 25°C. Higher temperatures may decrease significantly the storage stability.

Industrial Safety and Environmental Protection

Classified product within the meaning of the current Dangerous Preparations Regulations.

Please consult the safety data sheet.

MR – Resiquímica's Test Method

This information is based on our present state of knowledge and is intended to provide general notes on our products and their uses. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed. The quality of our products is guaranteed under our General Conditions of Sale.