

Unsaturated Polyester Resins (UPR)

## Reinforced and Non-Reinforced Applications

Europe



# Unsaturated Polyester Resins (UPR)

## Reinforced Applications

Europe

Hand lay-up, Spray lay-up Filament Winding, Injection, RTM SMC / BMC Tanks & Pipes Reinforcement of Acrylics Baths						Pre-accelerated Thixotropic Viscosity 25°C [mPas] <sup>1)</sup> Gel Time 25°C (min) <sup>2)</sup> Solid Content [%] <sup>3)</sup> HDT [°C] <sup>4)</sup>								
Product Name	Applications					Properties	Product Properties *						Product Name	
Isophtalic													Isophtalic	
RESIPUR 5103	●	●				High chemical resistance - Food contact		●		600	12	62	74	RESIPUR 5103
RESIPUR 5166	●					Certified for Naval Construction by Lloyd's	●	●	400	14	54	74	RESIPUR 5166	
RESIPUR 5169	●					Certified for Naval Construction by Lloyd's	●	●	500	18	55	74	RESIPUR 5169	
Orthophtalic													Orthophtalic	
RESIPUR 2100				●		High reactivity. Excellent mechanical properties			350	14	60	81	RESIPUR 2100	
RESIPUR 2138			●			High reactivity. Also compatible for rigid laminates produced by hand lay-up			750	10	64	94	RESIPUR 2138	
RESIPUR 2166	●					High reactivity	●	●	400	14	59	94	RESIPUR 2166	
RESIPUR 6560					●	Good adhesion to acrylic	●	●	375	13,5	58		RESIPUR 6560	
RESIPUR 9107	●	●				Excellent mechanical properties - Food contact			550	18	55	71	RESIPUR 9107	
RESIPUR 9112	●					High stability to UV radiation			350	10	62	71	RESIPUR 9112	
RESIPUR 9126	●					Excellent mechanical properties. Low Styrene Emission		●	400	14	56	71	RESIPUR 9126	
RESIPUR 9166	●					Certified for Naval Construction by Lloyd's	●	●	400	14	59	71	RESIPUR 9166	
RESIPUR 9168	●					Certified for Naval Construction by Lloyd's	●	●	500	18	58	71	RESIPUR 9168	
RESIPUR 9175	●					Excellent mechanical properties. Contains a peroxide indicator	●	●	500	18	58	71	RESIPUR 9175	
RESIPUR 9189	●					Excellent mechanical properties. Low Styrene Emission	●	●	400	21	59	71	RESIPUR 9189	
RESIPUR 9544		●				Excellent mechanical properties	●		150	18	54	71	RESIPUR 9544	

Product Range UPR for Europe. For availability in your region, please contact our local sales staff.

- Main applications
- Further applications

<sup>1)</sup> Test method ISO 2555 (Brookfield)  
<sup>2)</sup> Test method ASTM D 2471  
<sup>3)</sup> Test method ISO 3251  
<sup>4)</sup> Test method ISO 75-A

\* Data describes typical properties - not product specifications

Unsaturated Polyester Resins (UPR)  
Non-Reinforced Applications

Europe

Applications							Properties							Product Properties *							Product Name
Applications							Properties							Product Properties *							Product Name
Isophthalic / NPG																					Isophthalic / NPG
RESIPUR 4246			●				High resistance to thermal shock									900	12	68			RESIPUR 4246
Orthophthalic																					Orthophthalic
RESIPUR 2208						●	High reactivity. Excellent mechanical properties. Also compatible for pultrusion									1000	10	68	81		RESIPUR 2208
RESIPUR 9312				●			Application by centrifugation method									1700	6,5	71	46		RESIPUR 9312
RESIPUR 9318				●			Application by centrifugation method									800	6	68	46		RESIPUR 9318
RESIPUR 9350				●			Application by centrifugation & rod methods								●	4000	11	70	46		RESIPUR 9350
RESIPUR 9600						●	High elasticity & impact resistance. May be mix with other resins to adjust mechanical properties									450	50	70			RESIPUR 9600
RESIPUR 9801		●					Application by cast process. High stability to UV radiation and hydrolyses - Food contact									375	6	66			RESIPUR 9801
RESIPUR 9805	●						Application by block process									500	9	65			RESIPUR 9805
RESIPUR 9806	●						Application by block process									650	11	68			RESIPUR 9806
RESIPUR 9844			●				High resistance to thermal shock							●		200	9,5	61,5			RESIPUR 9844

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- Main applications
- Further applications

<sup>1)</sup> Test method ISO 2555 (Brookfield) / ISO 1652 (Brookfield)  
<sup>2)</sup> Test method ASTM D 2471  
<sup>3)</sup> Test method ISO 3251  
<sup>4)</sup> Test method ISO 75-A

\* Data describes typical properties - not product specifications

## Leading in Emulsions and Speciality Polymers

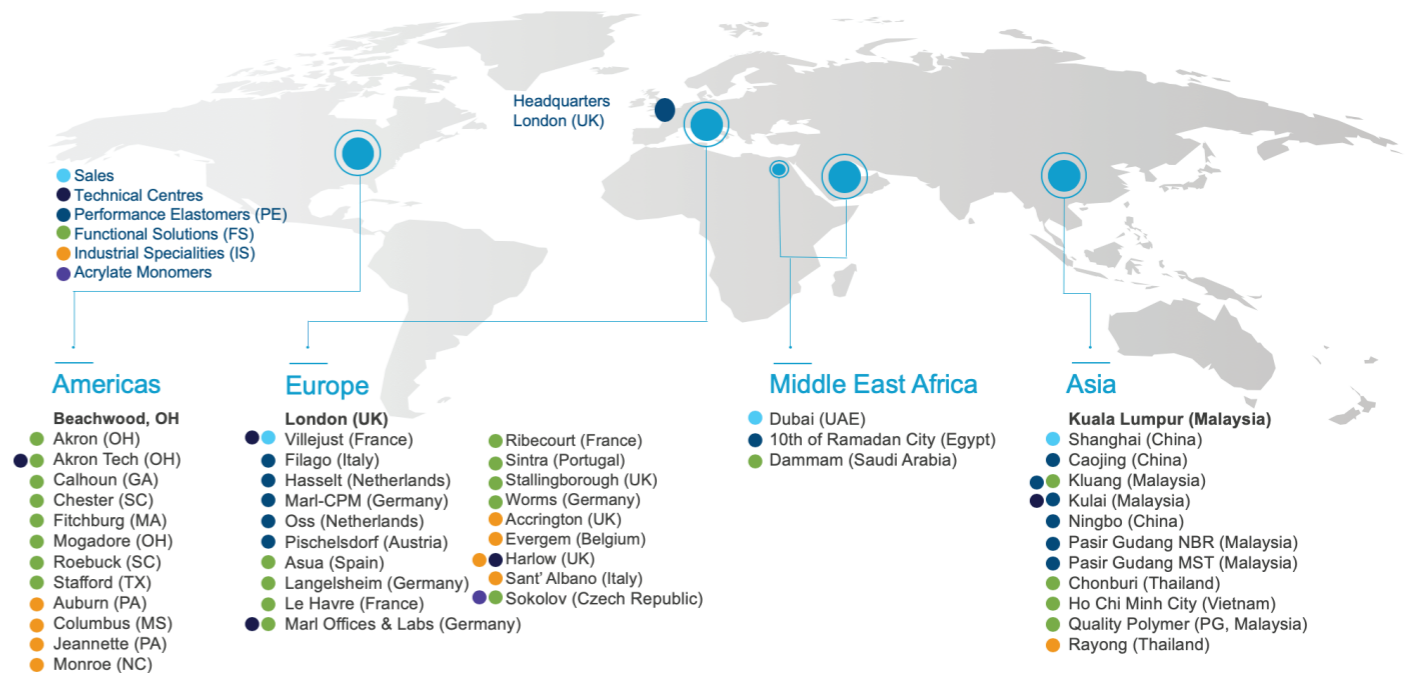
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The company has its Head Office in London (UK) and provides customer focused services from operational centres in Cleveland (US), Harlow (UK), Marl (Germany), Kuala Lumpur (Malaysia), Shanghai (China) and Dubai (UAE).

In April 2020, we acquired OMNOVA Solutions Inc., a US-based speciality chemical company. The acquisition of this highly complementary business extends our geographic reach, particularly in North America and Asia, and expands our global platform.

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We deliver the right formula, globally, individually.



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