

TECHNOPOL UPR		723.30	720.30	780.50	732.03	733.90	752.05	720.04	716.00	733.91	733 TAR	750.04	817.02	814.02	818.01	818.03	736.01 WAT	723.03	754.09	718.04	733.02	755.08	788.01	VE 305	733.01 TAI	781.01 AI	752.48	752.49	733.04	716.09	754.03	785.04	VE 303	700.01	716.00	717.02	728.01	729.01	712.03	TECHNOPOL UPR											
MAIN APPLICATIONS		General purpose			Sanitary		Polymer concrete	Breton process	Solid surface	RTM			SMC/BMC	SMC		SMC/BMC	Sanitary	Industrial sheet				Profiles				Boats		Vehicle parts		Pipe, tanks					Grinding medium	Base resin		Specially formulated		Flexible resin	MAIN APPLICATIONS										
METHOD OF APPLICATION		Hand lay up, spray up		Casting					Resin injection			High pressure moulding				Spray up laminating	Continuous/discontinuous lamination				Pultrusion				Vacuum infusion		RIM	Filament winding					Pigment concentrates	Gel coats		Putties		Blending resin	METHOD OF APPLICATION												
APPLICATIONS	BOATS	○	○	○																						○	○																	BOATS							
	GEL-COATS																																														GEL-COATS				
	PANELS, SHEETS, BUILDING																																														PANELS, SHEETS, BUILDING				
	CHEMICAL INDUSTRY			○			○	○	○					○	○	○	○																															CHEMICAL INDUSTRY			
	ELECTRIC INDUSTRY										○	○	○	○	○	○	○																															ELECTRIC INDUSTRY			
	INDUSTRIAL LAMINATES										○	○	○																																		○	INDUSTRIAL LAMINATES			
	DECORATION	○	○		○	○																																										DECORATION			
	CONTAINERS	○		○																										○	○	○	○	○	○													CONTAINERS			
	PIPES - TANKS	○	○	○							○	○	○																			○	○	○	○	○													PIPES - TANKS		
	VEHICLE BODIES																													○	○	○	○	○															VEHICLE BODIES		
METHOD OF USE	HAND LAY UP	○	○	○																																														HAND LAY UP	
	SPRAY UP	○	○	○																																															SPRAY UP
	INJECTION MOULDING									○	○	○																																							INJECTION MOULDING
	VACUUM MOULDING										○	○															○	○																						VACUUM MOULDING	
	COLD MOULDING																											○	○																					COLD MOULDING	
	HOT MOULDING																																																	HOT MOULDING	
	SHEET MOULDING																																																	SHEET MOULDING	
	FILAMENT WINDING																																																		FILAMENT WINDING
	PULTRUSION																																																		PULTRUSION
	CONTINUOUS PROCESS																																																		
CASTING AND INCLUSION									○	○	○																																							○	CASTING AND INCLUSION
TYPICAL PROPERTIES	CHEMICAL NATURE	DCPD	ORTHO-PHTHALIC	ISOPHTHALIC	DCPD	DCPD	ORTHO-PHTHALIC	ORTHO-PHTHALIC	ISO / NPG	DCPD	DCPD	ORTHO-PHTHALIC	ORTHO-PHTHALIC	MALEIC	MALEIC	MALEIC	DCPD	DCPD	ORTHO-PHTHALIC	MIXED ACIDS	DCPD	ORTHO-PHTHALIC	ISOPHTHALIC	VINYLESTER	DCPD	ISO / NPG	ORTHO-PHTHALIC	DCPD	DCPD	ISO / NPG	ORTHO-PHTHALIC	ISOPHTHALIC	VNILESTER	MALEIC	ISO / NPG	ISOPHTHALIC	DCPD	DCPD	ISO / AA								CHEMICAL NATURE				
	REACTIVE MONOMER CONTENT %	38	43	44	34	32	34	35	33	34	40	40	35	31	35	35	38	36	35	34	35	35	41	35	40	41	37	37	32	43	35	40	45	FREE	33	33	37	35	24									REACTIVE MONOMER CONTENT %			
	VISCOSITY AT 25°C (BROOK-FIELD, #2/10 rpm) [mPa.S]	900	1200	900	400	320	420	600	1100	300	120	140	1400	3000	1900	180	200	250	500	400	350	700	250	600	120	250	220	200	400	320	850	400	450	350	1100	1250	500 [20°C]	700 [20°C]	750										VISCOSITY AT 25°C (BROOK-FIELD, #2/10 rpm) [mPa.S]		
	GEL TIME AT 25°C (min) CURING SYSTEM [%Co Acc.1% / %MEKP - 50]	VARIOUS [0/1]	VARIOUS [0/1]	VARIOUS [0/1.5]	20 [1/1]	8 [0.5/2]	8 [0.5/2]	VARIOUS	10 [1/2]	12 [0.8/1]*	18 [0/1]	10 [1.2/1.5]	N.M.	N.M.	N.M.	N.M.	16 [0/2]	18 [1/1]	VARIOUS	VARIOUS	8 [2 BP]	6 [2BP]	8.5 [2 BP]	12 [2 BP]	50 [0/1]	90 [0/1.5]	9 [0.8/1]*	9 [0.8/1]*	VARIOUS	VARIOUS	14 [1/1]	VARIOUS	VARIOUS	10 [1/2]	8 [1/2]	10 [2 BP]	10 [2 BP]	20 [1/1]										GEL TIME AT 25°C (min) CURING SYSTEM [%Co Acc.1% / %MEKP - 50]			
	ELONGATION AT BREAK [%]	1.5	1.5	3.5	3.0	2.5	2.5	2.0	2.0	2.5	2.5	3.0	1.5	1.5	1.5	2.0	2.5	3.5	3.5	5.0	2.5	3.0	2.5	4.5	2.5	3.0	3.5	3.5	4.0	4.5	3.5	4.0	5.0																ELONGATION AT BREAK [%]		
	TENSILE STRENGTH [MPa]	55	55	85	70	60	80	65	90	60	70	70	70	60	35	40	60	60	75	65	60	70	75	80	70	65	80	80	75	60	75	90	80																		TENSILE STRENGTH [MPa]
HEAT DISTORTION TEMPERATURE °C	80	70	85	80	100	105	65	105	90	70	75	120	120	125	130	85	80	95	85	95	100	100	105	70	80	90	90	85	90	90	100	100																		HEAT DISTORTION TEMPERATURE °C	

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