

SMC/BMC PRODUCT LINE CARD

EMEA

Applications	Use	Product	Plant	Chemistry
SEMI-STRUCTURAL, STRUCTURAL & UNDERHOOD APPLICATIONS	Thickenable epoxy vinyl ester resins (VER) for use in SMC or BMC in applications that require high heat performance and/or general structural applications where very high mechanical performance is required. Especially suitable for CF SMC.	Derakane™ 780 E	Benicarló	VER - high performance
	Thickenable epoxy vinyl ester resin for use in SMC/BMC.	Derakane™ 782	Benicarló	VER
CLASS-A	High reactivity, thickenable UP resin designed for SMC/BMC production. Ideal for use in low profile Class-A and controlled shrink applications.	Arotran™ D 1790	Étain	Pure Maleic - special
		Arotran™ D 1691	Étain/Benicarló	Pure Maleic
		Arotran™ D 1690	Étain	Pure Maleic - low viscosity
HEADLAMPS	High reactivity, thickenable UP resin especially designed for BMC headlamps	Arotran™ D 1693	Étain	Pure Maleic
MULTI-PURPOSE	Thickenable UP resin for high level SMC/BMC applications	Aropol™ D 3655	Étain	Ortho
	Thickenable UP resin designed for use in high gloss and good pigmentability applications	Aropol™ D 3300	Étain	Modified maleic
		Aropol™ S 850	Benicarló	Mod. maleic - Medium viscosity
	Thickenable UP resin for general purpose SMC/BMC	Aropol™ D 6600	Étain	DPCPD
ADDITIVES	Low profile additive for Top Class-A for SMC and BMC applications.	Neulon™ 581	Benicarló	SP based LPA
	Low profile additive for semi-structural to structural applications.	Neulon™ 516	Étain	SP based LPA
	Low profile additive mainly designed for Low pressure applications for Low Profile and Class A SMC and BMC parts.	Neulon™ 526	Étain	modified SP based LPA
	Low shrink additive for SMC/BMC and Pultrusion applications. Good toughness and surface smoothness. Suitable for applications which require painting.	Neulon™ 340	Benicarló	SBC based LPA
	Low profile additive for Class-A surface for SMC/BMC and Pultrusion applications	Neulon™ LP 40 A	Benicarló	PVAc based LPA
	Evolution of Neulon LP 40 A with improved pigmentability and surface	Neulon™ XLP-7020	Benicarló	PVAc based LPA
	Low profile additive for Class-A surface for SMC/BMC and Pultrusion applications - low viscosity	Neulon™ XLP-7015	Benicarló	PVAc based LPA
	Low profile additive for superior surface and shrinkage control combined with internal black pigmentation. Designed for use in black SMC, BMC and pultrusion applications.	Neulon™ Pigmented 2000	Benicarló	PVAc based LPA
	Low shrinkage additive based on thermoplastic solution and especially suitable for pigmented systems.	Neulon™ 988	Étain	PS based LSA
	Viscosity Reducer and mold release agent.	VR 3	Étain/Benicarló	n.a.

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E&E, CHEMICAL RESISTANCE	Thickenable resin with good chemical and good UV resistance.	Aropol™ MR 14029	Benicarló	Iso/NPG resin
		Aropol™ MR 14025	Étain	Iso/NPG resin
SPECIAL CLASS-A SYSTEMS	Thickenable resin with vinyl toluene, providing improved heat properties.	Aropol™ MR 14072	Benicarló	Vinyl toluene resin
		Arotran™ 774 G series (strong)	Benicarló	Low density system
SPECIAL CLASS-A SYSTEMS	Low density class-A resin systems up to 1.2 with improved toughness vs. existing technology, specially designed for exterior applications such as door panels and deck lids.	Arotran™ 720 G series (smooth)	Benicarló	Low density system
		Aropol™ S12, S13, S14	Étain	n.a.
MONOMER FREE /PASTES	Base resins for pigmented or magnesium paste, media for pigments/fillers and low-color grinding vehicle	Aropol™ S12, S13, S14	Étain	n.a.

ADDITIONAL PRODUCTS AVAILABLE FOR SAMPLING ONLY

Applications	Use	Product	
SEMI-STRUCTURAL, STRUCTURAL & UNDERHOOD APPLICATIONS	Black pigmented resin for use in high strength and UV resistant SMC applications. The through-black color is scratch and ding resistant especially suitable for heavy duty applications requiring color stability and gloss retention after weathering.	Arotran™ 805	VER system
CARBON FIBER with MDI	NGAST technology to address the automotive industry need for light weight, high strength resin systems utilizing carbon fiber when using MDI as thickening agent.	Arotran™ 300 series	VER system
ECO (LOW VOC/ODOR)	Resin system with similar reactivity, mold capability and cure like traditional systems but with lower odor and VOC emissions.	Arotran™ 600 series	Low VOC system
BIO-BASED	Thickenable UP resin produced using > 20% renewable materials.	Envirez™ 7030X	Bio-based

Abbreviations:

SP	saturated polyester
SBC	styrene butadiene copolymer
LPA	low profile additive
LSA	low shrink additive
PVAc	polyvinyl acetate
PS	polystyrene
Iso	isophthalic acid
NPG	neopentyl glycol
UP	unsaturated polyester

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