## **REAFREE® 5706**

Product Application details	Saturated carboxylated polyester for combinatio type hardeners. Suitable for the formulation of outdoor SUPER electrostatic application. TMA free type.		
Performance Benefits	<ul> <li>Flexibility.</li> <li>High gloss.</li> <li>Blooming free</li> <li>Excellent outdoor durability. SUPERDURA</li> </ul>	BLE FINISHES.	
Polymer Type	Saturated Carboxylated Polyester Resin		
Sales Specifications	Colour (50%), (ASTM D-1544)		2 max
	Acid value, mg KOH/g (ASTM D-1639)		30 - 35
	Viscosity 165°C, Pa.s (ICI – DIN 53229)		20- 32
Other Characteristics <sup>1</sup>	Appearance		Pale granules
	Glass Transition T, °C (DSC - Tg)		approx 57
	1 The data provided for these properties are typical values, intended o	nly as guides, and should not be co	nstrued as sales specifications
Curing Conditions	TGIC: 10 minutes at 200°C (object temperature) PRIMID <sup>(1)</sup> : 15 minutes at 180°C (object temperatu <sup>(1)</sup> PRIMID is a trade mark of EMS-Chemie AG	ıre)	
Recommended Mixing Ratio	REAFREE 5706 / TGIC :         93/7           REAFREE 5706 / PRIMID XL-552 <sup>(1)</sup> :         95/5           REAFREE 5706 / PRIMID QM-1260 <sup>(1)</sup> :         94,5/5,5		
	Starting Formulation	Application / Extrusion Conditions	
	_	Extruder:	BUSS PCS-30
	TGIC PRIMID	Torque:	40%
		Spood	200 rpm

	IGIC	PRIMID
REAFREE 5706	620	633
Titanium Dioxide(1)	320	320
Triglycidylisocyanurate <sup>(2)</sup>	47	
β-Hydroxyalkylamide(3)		34
Benzoin	3	3
Flow modifier(4)	10	10

## Formulation **Guidelines**

- (1)
   Kronos 2160

   (2)
   Araldite PT-810 (Huntsman) / Tepic (Nissan Chemical)

   (3)
   Primid XL-552 (EMS Chemie)

   (4)
   Byk 360 P (Byk Chemie)

Conditions
BUSS PCS-30
40%
200 rpm
80°C / 105°C
(TGIC / PRIMID)
GEMA PG 1-B
60-80 Kv
Degreased
steel 1 mm
60-80 microns
Over 90%
Over 8 mm
Over 75 Kg.cm
Over 45 Kg.cm
Gt0



Product Safety	Please refer to the corresponding Safety Data Sheet.	
Delivery form	Granules. White opaque polyethylene bags of 25 Kg. One Ton pallet shrink – wrapped.	
Storage & Handling	The resin in its original unopened bags is stable for more than three years, stored in a dry place at temperature below 30°C. Avoid direct sunlight.	

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## Headquarter

ARKEMA FRANCE 420 rue d'Estienne d'Orves 92705 Colombes Cedex – France Tel : +33 (0)1 49 00 80 80 Arkema.com - arkemacoatingresins.com ARKEMA QUÍMICA, S.A.U. CTRA. OLZINELLES, S/N E08470 SANT CELONI (BCN) – ESPAÑA Tel: + 34 93 867 40 00

