

# CRYSTIC<sup>®</sup> PDME 073PA

## Flexible Putty Resin with Good Sanding Properties

### Introduction

Crystic PDME 073PA is a flexible putty resin designed for automotive body patch compounds.

### Applications

Crystic PDME 073PA has been designed for use and transportation to hot climate and has excellent storage shelf life. Crystic PDME 073PA is specially promoted to give cure with both BPO and MEKP cure catalyst. The resin has very medium reactivity and low viscosity designed for higher filler loading. Crystic PDME 073PA based compounds have excellent adhesion to clean metallic surfaces with improved tack – free time and sanding properties.

### Formulation

Crystic PDME 073PA requires only the addition of catalyst to start the curing reaction as it is supplied as an accelerated product. Prior to use, Crystic PDME 073PA should be allowed to attain workshop temperature and the correct amount of catalyst needs to be thoroughly dispersed into the resin. A recommended catalyst for the curing system is BPO at an addition level of 2 - 4%, by weight.

### Typical Properties

The following tables give typical properties of Crystic PDME 073PA when tested in accordance with BS2782.

Property		Liquid Resin
Appearance		Clear Brownish
Viscosity at 25°C SP2 rpm 20	cps	400 - 500
Styrene Content	%	34 - 38
Solid Content	%	62 - 66
Stability at 25°C	months	3
Geltime at 25°C using 4% BPO paste (50%)	minutes	4 – 4.5
Cure time	minutes	9 – 13
Peak Exotherm	°C	115 – 130
Property		Fully Cured Resin (unfilled casting)
Shore D Hardness		80 – 85
Deflection Temperature under Load † (1.80 MPA)	°C	<30
Tensile Strength *	MPa	30
Tensile Modulus *	MPa	1000
Elongation at Break *	%	50

\* The curing schedule was 24 hrs at 20°C, followed by 3 hrs at 80°C

† The curing Schedule was 24 hrs at 20°C, followed by 5 hrs at 80°C, then 3 hrs at 120°C

**Storage**

Crystic PDME 073PA should be stored under cover in the dark in the containers in which they are supplied. It is recommended that the storage temperature should be maintained at 25°C where practical, but should not exceed 30°C. Ideally, containers should be opened only immediately prior to use.

**Packaging**

Crystic PDME 073PA is supplied in 20kg or 225kg steel containers. For transportation purposes, Crystic PDME 073PA – is Class 3.0 in the IMCO code and UN No 1866; ADR No 31(c). Packing Group 3; Tremcard No 30G35.

**Health & Safety**

Please see separate Materials Safety Data Sheet.

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