

CRYSTIC[®] 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.

Version 2 : February 2013

All information on this data sheet is based on laboratory testing and is not intended for design purposes. Scott Bader makes no representations or warranties of any kind concerning this data. Due to variance of storage, handling and application of these materials, Scott Bader cannot accept liability for results obtained. The manufacture of materials is the subject of granted patents and patent applications; freedom to operate patented processes is not implied by this publication.

SCOTT BADER COMPANY LIMITED

Wollaston, Wellingborough, Northamptonshire, NN29 7RL

Telephone: +44 (0) 1933 663100

Facsimile: +44 (0) 1933 666623

www.scottbader.com