وتر ش ک Shimi Kosar +9821 - 43462000 info@kosar.co www.kosar.co



## **General properties**

EM3090 is a fine particle size, medium molecular weight em It produces yield value flow at 1 plasticizer

Plastisol 1 following

- ► good fo stabiliz type
- low vi ► little te
- good t standa
- fast ge Þ
- semi g ►

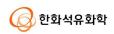
**Rheological properties** 

nulsion type PVC homopolymer.	1000			
es plastisol exhibiting high viscosity and	(si   •			
ue at low shear rate and pseudoplastic	• - <sup>001</sup>			
high shear rates with medium-high	sity	•		
er level (70-100 phr).	Viscosity (Pa.s)		<sup>`**</sup> *******************	*****
made from this polymer exhibit the	1 - <del>L - T</del>	10	100	1000
g properites.	<b>S</b> 1 hours aged at 25 °		ate (sec <sup>-1</sup> )	ormulation
foaming properties with a wide range of	1 nours aged at 25	C		VC 100
izers especially liquid K/Zn or Na/Zn	,		D	OP 70 phr
viscosity aging rate, long shelf life with	Polymer propert	ies		
tendency to sediment	Property	Unit	Typical	Test
thermal stability with a wide range of				<i>Method</i>
	Polymerization degree	5	$1150 \pm 50$	JIS K 6720-2
ard stabilizers.	K-value	Ð	69	DIN 53726
	Apparent density	g/cc	0.28±0.07	ASTM D1895
elation rate	Volatile content	<u>D%/</u>	Max 0.30	ASTM D3030
	Particle size	de l	100	100 mesh pass
gloss surface finish	BF viscosity(20rpm)	Pa.s	_ 87 /	) ASTM D
	Viscosity at 500 sec <sup>-1</sup>	Pa.s	¥,	1824
	BF viscosity test condition	ons:		
	PVC 100			

DOP 70 phr

1 hours aged at 25 °C

hcc.hanwha.co.kr 본사 100-797 서울특별시 중구 장교동 1번지 한화빌딩



The information given herein and other otherwise supplied to users is based on our general experience and where applicable, on the results of tests on samples of typical manufacture. However, because of the many factors which are outside knowledge and control, which can effect the use of these products, users must rely on their own judgment and we cannot accept liability for any injury, loss or damage resulting from reliance upon such information.

## Hanwha Chemical PVC Paste Resin (Homopolymer)



Beyond Your Dream

EM3090

## **Applications**

*EM3090* produces plastisols which are ideal for the spread coating of chemically blown foams, particularly high expansion-high thickness foams with a very fine closed cell structure at a wide range of oven conditions at medium-high plastisizer levels. It also produces high yield, high viscosity compact coating plastisols without the need to add thickeping agents. *EM3090* can be applied by rotary screen or comma or transfer spread coating processes or spraying. The main applications are

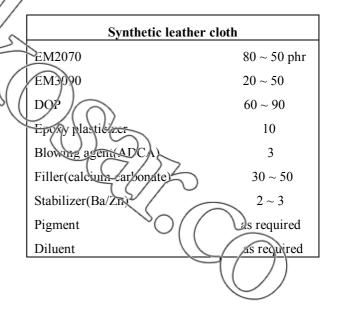
- chemically blown foams of high thickness, low density and very fine closed cell structure
- medium-high plasticizer content chemical foam coats for synthetic leather cloth especially in blends with EM2070
- chemically foamed wall-coverings produced by rotary screen or comma or transfer spread coating processes especially in blends with EM2070
- direct or transfer coated compact coats onto wide mesh or net type fabrics especially where high adhesive strength is required
- high yield plastisols for automobile sealant applications applied by airless spray

hcc.hanwha.co.kr 본사 100–797 서울특별시 중구 장교동 1번지 한화빌딩

The information given herein and other otherwise supplied to users is based on our general experience and where applicable, on the results of tests on samples of typical manufacture. However, because of the many factors which are outside knowledge and control, which can effect the use of these products, users must rely on their own judgment and we cannot accept liability for any injury, loss or damage resulting from reliance upon such information.

## **Guide formulations**

Wall Covering			
EM2070	$80\sim 50 \ phr$		
EM3090	$20 \sim 50$		
DOP	$60 \sim 70$		
BBP	0~10		
Blowing agent(ADCA)	$2 \sim 3$		
Filler(calcium carbonate)	$30 \sim 70$		
TiO <sub>2</sub>	10		
Kicker(ZnO)	0.5 ~ 1		
Stabilizer(K/Zn or Ba/Zn)	$2 \sim 3$		
Diluent	as required		



한화석유화학