

# LG PVC LP010F

## Paste Resin



## Product Information

### General Description

LG Chem LP010F is a poly vinyl chloride homopolymer suitable for low viscosity plastisol processing.

### Main Applications

- Top layer of flooring, Artificial leather
- Technical textiles (tarpaulins, banners, conveyor belts)
- Toy & Ball, Label
- Cap closures & Can coating, Coil coating

Colorless coatings with LP010F shows crystal clear and glossy surface.

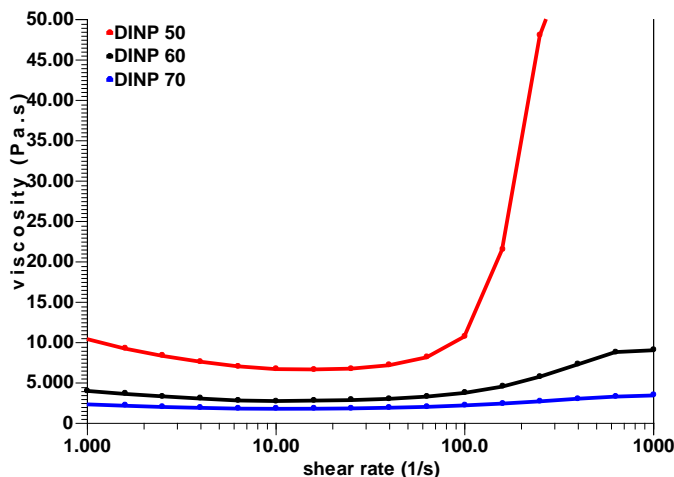
### Advantages

- ✓ Very low initial viscosity
- ✓ High transparency, glossy and crystal clear films
- ✓ Lowest water absorption tendency
- ✓ Excellent air release

### Resin Properties

Parameter	Test Method	Unit	Test Condition	Typical Value
K-Value	ISO 1628-2	-	-	76 ± 1
Degree of Polymerization	JIS K 6720-2	-	30 °C	1,650 ± 50
Apparent Bulk Density	ASTM D1895	g/cm <sup>3</sup>	-	0.34 ± 0.04
Volatiles	ASTM D3030	%	110 °C, 1hr	Max. 1.20
B.F Viscosity	ASTM D1824	cps	DOP 60part,6rpm	4,500±1,500
S.V Viscosity	ASTM D1823	g/sec	DOP 60part,4bar	Min. 1.0

### Viscosity curves



Paste preparations with 50, 60, 70 phr DIMP.  
Readings were made 1 h after preparation at 25 °C with a Rheometer (TA Instruments, AR2000)

### Packaging

Paper bag(20kg)

LG Chem PVC should be stored dry and away from direct or indirect sources of heat

#### Quality & Environment Certification

ISO 50001:2011 166926CC1-2014-AE-KOR-RvA  
 ISO 9001:2008 44570-2008-AQ-KOR-RvA  
 ISO 14001:2004 44611-2008-AE-KOR-RvA  
 OHSAS 18001:2007 44612-2008-HSO-KOR-DNV  
 ROHS, SVHC completed test by SGS



www.lgchem.com

#### PVC/Plasticizer Division

Sales team  
 - E: superchoi@lgchem.com, T: 82-2-3773-3484  
 Technical team  
 - E: hojong@lgchem.com, T: 82-42-719-3659

#### IMPORTANT (Updated : September. 2015)

The information contained herein, including, but not limited to, data, statements and typical values, are given in good faith. LG Chem makes no warranty or guarantee, expressed or implied, (i) that the result described herein will be obtained under end - use conditions, or (ii) as to the effectiveness or safety of any design incorporating LG Chem materials, products, recommendations or advice. Further, any information contained herein shall not be construed as a part of legally binding offer. Especially, the typical values should be regarded as reference values only and not as binding minimum values. Each user bear full responsibility for making its own determination as to the suitability of LG Chem's materials, products, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating LG Chem material or products will be safe and suitable for use under end - use conditions. The data contained herein can be changed without notice as a result of the quality improvement of the products.\*