Metabolix I6001

Polyhydroxyalkanoate

Metabolix

Message:

I6001 is an effective multi-functional, biobased polymeric modifier for semi-rigid and flexible PVC compounds. It improves impact resistance, tear resistance, tensile toughness and plasticization, while not compromising clarity and UV stability. I6001 also promotes shear melting and faster fusion giving processing advantages over traditional core-shell impact modifiers. This multifunctional modifier allows the overall formulation to be simplified and the additives package to be cost effectively rebalanced. This product is ideal for applications requiring very low migration, extraction and VOC formation for applications in the automotive, medical, packaging and construction industries.

General Information	
Features	Biodegradable
	Good UV Resistance
	High Clarity
	Low to No Migration
	Low VOC
	Renewable Resource Content
Uses	Additive
	Automotive Applications
	Blending
	Construction Applications
	Medical/Healthcare Applications
	Packaging

Physical	Nominal Value	Unit	Test Method
Apparent Density	0.20 to 0.50	g/cm³	ASTM D1895B
Contamination - Particles/Film	0.00 to 0.500		Internal Method
Crystallinity	27 to 45	%	Internal Method
Intrinsic Viscosity	1.5 to 2.0	dl/g	Internal Method
Moisture	< 0.35	%	Internal Method
Residual Solvent - Total [1]	67 to 250	ppm	Internal Method
Crystallization Point - Half Time	3.5 to 8.5	min	Internal Method
Biobased Content	> 85	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	55		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Glass Transition Temperature	-20.0 to -11.0	°C	Internal Method
Melting Temperature	164 to 166	°C	Internal Method
Optical	**Nominal Value**	**Unit**	**Test Method**
Yellowness Index	35 to 45	YI	ASTM E313

NOTE	
1.	DLimit = 67

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China