

Metabolix I6003rp

Polyhydroxyalkanoate

Metabolix

Message:

I6003rp is an effective biobased polymeric additive for improving recycled PVC value and increasing its reuse in PVC compounds. It improves tensile toughness and tear resistance and provides plastification, while not compromising clarity or UV stability. This product is ideal for converters who want to increase their scrap reuse rate without compromising hardness or increasing torque, and for compounders who want to upgrade the value of their recycle PVC product range.

General Information			
Features	Biodegradable		
	Good UV Resistance		
	High Clarity		
	Renewable Resource Content		
Uses	Additive		
Physical	Nominal Value	Unit	Test Method
Apparent Density	0.30 to 0.50	g/cm ³	ASTM D1895B
Contamination - Particles/Film	0.00 to 0.500		Internal Method
Crystallinity	20 to 60	%	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	5.0 to 12.0	min	Internal Method
Biobased Content	> 85	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	68		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-15.0 to -1.00	°C	Internal Method
Melting Temperature	160 to 170	°C	Internal Method
Optical	Nominal Value	Unit	Test Method
Yellowness Index	35 to 45	YI	ASTM E313
NOTE			
1.	DLimit = 67		

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