



PT ECOBUKIT RECYCLE INDONESIA

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Subsidiary of PT Bukitmega Masabadi

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INDONESIA

PRODUCT DATA SHEET **PROCYLENE® HDE592**



Product Code	:	HDE592
Product Grade	:	r – HDPE BWP ex blown molded bottles
Product Format	:	Granule/Pellet
Description	:	HDE592 is a post-consumer recycled high-density polyethylene (HDPE) originated from bottle, with a melt flow index below 1 (measured at 190°C, 2.16 kg).
Application	:	Suitable for applications like compounding and extrusion blow molding, including small to large bottles & industrial containers.
Processing Temperature	:	From 180 to 220 °C
Packaging	:	Supplied in 25 kgs plastic woven bag.

Specification	Unit	Value	Method
Melt Index (190 °C/2.16 kg)	g/10 min	0.100 – 0.400	ASTM D 1238
Density	kg/m ³	940 – 950	ASTM D 1505
Bulk Density	kg/m ³	500 – 600	TM-BC-003
Moisture Content	%	Max. 0.1%	TM-BC-002
Color	-	Translucent	Visual
Odor	-	Barely perceptible	Olfactory
Tensile Strength at Yield	MPa	23.9 ± 0.5%	ISO 572-2
Tensile Strength at Break	MPa	21.4 ± 0.5%	ISO 572-2
Elongation at Break	%	1026 ± 0.5%	ISO 572-2
Flexural Modulus	MPa	1221 ± 0.5%	ISO 178
Notched Izod Impact Strength	kJ/m ²	11.44 ± 0.5%	ISO 180, Type 1 Notch A
# Granule per gram	-	40 – 60	TM-BC-001

Storage : The container is tightly closed and stored in a cool, dry and dust free area and protected from direct sunlight and/or heat.

Disclaimer: *Procyline is a registered trademark of PT Ecobukit Recycle Indonesia. The information provided herein is based on our knowledge as of the specified date. Our technical recommendations apply exclusively to the indicated product and do not constitute a guarantee of specific quality. We advise customers to conduct their own tests to verify suitability and performance. This technical data sheet supersedes and replaces any prior versions.*

Prepared by Product Stewardship

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