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TECHNICAL DATA SHEET

LOOPLIFE r-HDPE

Polyolefins

R-HDPE05B-DGY / GRADE

REPROCESSED HIGH DENSITY POLYETHYLENE / PRODUCT NAME

Description

r-HDPE grades from LOOPLIFE POLYMERS are reprocessed from homogeneous and clean/washed sources of high density polyethylene (HDPE). Product is supplied in the form of pellets.

PHYSICO-CHEMICAL PROPERTIES

Chemical name	High Density Polyethylene							
Granulometry	pellets/g	25	-	70	Residual moisture	ppm	Max	1000
Density	g/cm ³	0,951			Ash content @450°C	%	0,36	
Melt index @190°C, 2,16kg	g/10 min	3	-	6	Melt index @230°C, 2,16kg	g/10 min		-
Melt index @190°C, 5kg	g/10 min		-		Melt index @230°C, 5kg	g/10 min		-

MECHANICAL PROPERTIES

Stress at yield	MPa	no measure	Tensile modulus	MPa	951
Stress at break	MPa	7,4	IZOD ISO 180/A (notched)	kJ/m ²	8,8
Flex modulus	MPa	1148	Strain at Yield	%	9,5
Tensile strength	MPa	23,5	Strain at Break	%	166

SENSORY CHARACTERISTICS

Clarity	Opaque
Shape	Lenticular to cylindrical
Color	Dark Grey

PURITY

Other fraction	Possible presence of PP, up to 10%
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REGISTRATION

CAS nummer	9002-88-4
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PACKAGING

Standard: Big bag (1200kg Net Weight)

PROCESSING INFORMATION

TRANSPORT STORAGE CONDITIONS

Keep in a dry, well ventilated place. Do not store with oxidizing and self-igniting products
Big bags on pallet

SHELF-LIFE

Shelf-life	36 months
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