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TECHNICAL DATA SHEET

LOOPLIFE r-HDPE

Polyolefins

R-HDPE00-C3-IC / 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			Residual moisture	ppm	Max	1000
Granulometry	pellets/g	25	-	70	Ash content @450°C	%	1
Density	g/cm ³	0,94			Melt index @230°C, 2,16kg	g/10 min	-
Melt index @190°C, 2,16kg	g/10 min				Melt index @230°C, 5kg	g/10 min	-
Melt index @190°C, 5kg	g/10 min	0,1	-	0,35			

MECHANICAL PROPERTIES

Stress at yield	MPa	24,1	Tensile modulus	MPa	823
Stress at break	MPa	13,9	IZOD	kJ/m ²	No break
Flex modulus	MPa	803	Strain at Yield	%	
Tensile strength	MPa		Strain at Break	%	

SENSORY CHARACTERISTICS

Clarity	Opaque
Shape	Lenticular to cylindrical
Color	Black

PURITY

Other fraction	Traces of UHMWPE are possible
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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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