

## Technical Data Sheet

### CirculenRecover HD45U06 Natural



High Density Polyethylene

#### Product Description

CirculenRecover HD45U06 Natural is a circular polymer supplied in pellet form for industrial packaging applications.

#### Sustainability:

According with the requirements of Standard ISO 14021:2016, CirculenRecover HD45U06 Natural contains at least 40% of post-consumer HDPE from pre-sorted plastic packaging waste. The source of the post-consumer HDPE is based on re-collected industrial packaging applications.

This product is not intended for highly regulated applications including food contact, potable water contact, medical and pharmaceutical applications. It is intended to be used for regulated applications as e.g., for UN approved industrial packaging.

<b>Market</b>	Industrial Packaging
<b>Processing Method</b>	Extrusion Blow Molding
<b>Attribute</b>	Antioxidant; High ESCR (Environmental Stress Cracking Resistance); High Impact Resistance

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate, (190 °C/21.6 kg)	6.0	g/10 min	ISO 1133-1
Density	0.945	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Tensile Modulus	850	MPa	ISO 527-1, -2
Tensile Stress at Yield	24	MPa	ISO 527-1, -2
<b>Impact</b>			
Tensile Impact Strength	150	kJ/m <sup>2</sup>	ISO 8256
Note: notched, type 1, method A, -30 °C			
<b>Thermal</b>			
Vicat Softening Temperature, (A/50)	125	°C	ISO 306
Peak Melting Point	131	°C	ISO 11357-3
<b>Processing Parameters</b>			
Melt Temperature	180 - 240	°C	