



PLASTIC RECYCLING, INC.

Plastic Waste Specialists

RECYCLED
COMPOUNDS

TECHNICAL DATA SHEET

HDPE

HDPE 05-01 BLACK

HDPE

Polyethylene high density, flowability for extrusion and injection moulding, black color not matched.

Description

Extrusion and Injection Molding

USA, Mexico, Europe

Processing Methods

Availability

Rigid packaging applications

ASTM

Typical Applications

Test Methods

[REC 100%]

V0-02-25

TYPICAL PROPERTIES

Physical	Method	Conditions	Value	Unit
Melt mass-flow rate	ASTM D1238 Procedure B	200°C - 5.0 kg	5.5	g/10'
Density	ASTM D792 Method A	73°F	950	kg/m³
Ash content	Internal Method	475°C - 15 min	1.5	%

Mechanical	Method	Conditions	Value	Unit
Flexural modulus	ASTM D790	73°F - 0.05 in/min	125000	psi
Flexural strength	ASTM D790	73°F - 0.05 in/min	3400	psi
Tensile Modulus	ASTM D638	73°F - 0.05 in/min	145000	psi
Tensile stress at Yield	ASTM D638	73°F - 2 in/min	3300	psi
Elongation at Yield	ASTM D638	73°F - 2 in/min	9.5	%
Izod Pendulum Impact Resistance	ASTM D256	73°F	1.8	ft*lb/in

Thermal	Method	Conditions	Value	Unit
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