

KW Plastics KWR102-8812 BLK

High Density Polyethylene

KW Plastics

Message:

Copolymer High Density Polyethylene Post-Consumer Resin, pre-colored black

APPLICATIONS

Large part blow molding and extrusion; Characteristics include improved toughness, stiffness.

General Information			
Recycled Content	Yes		
Features	Copolymer		
	Good Stiffness		
	Good Toughness		
	High Density		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.960	g/cm³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.30	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield	> 21.4	MPa	ASTM D638
Yield	25.0	MPa	ISO 527-2
Flexural Modulus			
--	965	MPa	ASTM D790
--	1370	MPa	ISO 178
Poisson's Ratio	0.49		ISO 527
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
--	No Break		ASTM D256
--	6.1	kJ/m²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	53.5	°C	ISO 75-2/A

Additional Information	Nominal Value	Unit	Test Method
Polypropylene	< 8.0	%	ASTM D5576
Weight Loss on Heating (105°C)	< 0.070	%	Internal Method

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Recommended distributors for this material

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