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General Information

Product Description:

Pelletized High Density Polyethylene made from multicolor ground and washed flakes. Designed for injection molding.

General

Material Status Commercial: Active

Features High Impact Resistance
Multimodal Molecular Weight Distribution
Warp Resistant
Colors: Black, Red, Green, Blue and Tailor made

Uses Containers
Industrial applications
Pallets

Processing Method Injection Molding

ASTM & ISO Properties ¹

Physical	Min. Limit	Max. Limit	Typical Value	Unit	Test Method
Density	0.930	0.968	0.950	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	6.0	3.5	g/10 min	ASTM D1238
Mechanical	Min. Limit	Max. Limit	Typical Value	Unit	Test Method
Flexural Modulus ²	>700		800	MPa	ASTM D790
Impact	Min. Limit	Max. Limit	Typical Value	Unit	Test Method
Notched Izod Impact Resistance (23°C)	>3.5 >0.7		6.0 1.2	kJ/m ² lb-ft/in	ISO 180 ASTM D256

Notes

¹ Typical properties: these are not to be construed as specifications.

² Method I (3 point load)

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