

Prime HDPE 250

Our Prime HDPE 250 is a semi-crystalline material, therefore it requires more attention than an amorphous material.

Offers characteristics such as good stiffness and stress crack resistance. Along with being light weight, and tough, it is an ideal selection for many interior or exterior parts.

Customization

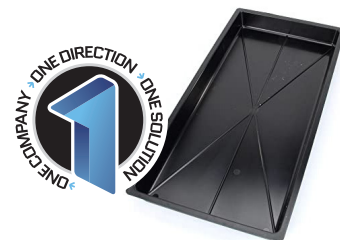
Prime HDPE 250 it is recommended that it be formed on an aluminum tool that is temperature controlled, grit blasted, and with a moat on the outside of the trim line. The forming temperature should be 300–350°F. The tool temp. should be 160–190°F.

Prime HDPE 250 can be color matched to meet your specific requirements through our vertical integration with Primex Color, Compounding & Additives.

Sustainability

Prime HDPE 250 meets industry sustainability standards and can be recycled as a post-industrial or post-consumer product.

Primex Sustainability: A better tomorrow, starting today!



Prime HDPE 250 | Data Sheet

Prime HDPE 250 is noted for its toughness, durability, and chemical resistance. Our polyolefins are found in a wide variety of consumer and industrial applications.

Applications

Prime HDPE 250 is ideal for forming trays, food packaging, small dunnage, or any other parts that requires cold temperature impact. It also works well for small lawn tractor parts, and many other small tool components.

Finishing

Prime HDPE 250 may be drilled, routed, punched, sawed, die cut, laser cut, or cut using water jet. Mechanical fasteners and screws may be used. Contact the 3M company for information on bonding. Caution, the CLTE is higher than other thermo-plastic materials.

Colors, Textures, and Capabilities

Prime HDPE 250 is offered in thicknesses of .015 - .425 and widths of up to 169". Textures include; RM, H/C, Levant II, and Seville.

Property	Method	Value	Unit
Specific Gravity	D792	.955	
Melt Flow	D1238	.25	g/10 min
Tensile @ Yield	D638	4,000	psi
Ultimate Elongation	D638	600	%
Flexural Modulus	D790	200,000	psi
ESCR	D1693	45	hr.
HDT @ 66 psi	D648	165	°F
CLTE	D696 Modified	8 x 10 ⁻⁵	in/in/°F
Brittleness Temperature	D746	<-103	°F
Vicat Softening Point	D1525	261	°F

FDA and UL compliant materials available upon request.

Prime HDPE 250	Very High	High	Avg.
Impact Strength	*		
Low Temperature Impact Strength	*		
Tensile Strength		*	
Flexural Modulus			*
Heat Deflection Temperature			*