

Jet Dock Material Specification Data Sheet

Material: HDPE 50100

<i>Property</i>	<i>Data</i>	<i>Units</i>
GENERAL		
Agency Ratings/Specs	FDA 21 CFR 177.1520	
Appearance	Natural Color	
Features	Copolymer Stress Crack Resistance (ESCR) Impact Resistance, Good Rigidity, Good	
Processing Method	Blow Molding Extrusion	
Recycled	No	
Uses	Sheet Containers, Blown	
PHYSICAL		
Density (ASTM D15050)	0.950	g/cm ³
Melt Flow	10.00 @ F -190 C/21.6 kg	g/10 min
MECHANICAL		
Elongation @ Break	800	%
Elongation @ Yield	12	%
Flexural Modulus	165000	psi
Tensile Modulus	100000	psi
Tensile Strength @ Break	2000	psi
Tensile Strength @ Yield	3600	psi
IMPACT		
Gardner Impact	450.00	in-lbf
Tensile Impact Strength	170.00	ft-lb/in ²
HARDNESS		
Durometer(Shore) Hardness	68 Shore D	
THERMAL		
Brittle Temperature	-105	F
Coef Linear Thermal Exp	0.00007	in/in-F
Deflection Temp @66 psi	157	F
Vicat Softening	254	F
UL		
Rel Temp Indx Elect	122 @ 0.0620 in	F
Rel Temp Indx Mech w/Imp	122 @ 0.0620 in	F
Rel Temp Indx Mech w/olmp	122 @ 0.0620 in	F
UL Flammability	HB @ 0.0620 in	