

# PrimaFlex® HD 5500.35

High Density Polyethylene

Plastic Solutions, Inc.

## Message:

Description: HD 5500.35 is designed for general purpose blow molding applications and extrusion thermoforming applications.

Applications: Pharmaceutical packaging / Bleach and detergents / Industrial chemical containers

Features:

Excellent stiffness

Excellent stress crack resistance

Exceptional processability

FDA 21 CFR 177.1520

General Information			
Features	General Purpose		
	Good Processability		
	High ESCR (Stress Crack Resist.)		
	High Stiffness		
Uses	Blow Molding Applications		
	Containers		
	General Purpose		
	Packaging		
	Pharmaceutical Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow Molding		
	Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.35	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			
F50	35.0	hr	ASTM D1693B
100% Igepal, F50	50.0	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.6	MPa	ASTM D638
Tensile Elongation (Yield)	> 600	%	ASTM D638
Flexural Modulus	1380	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -118	°C	ASTM D746

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