

Asrene® UP4806H

High Density Polyethylene

Chandra Asri Petrochemical

Message:

Asrene® UP4806H is a High Density Polyethylene product. It can be processed by blow molding and is available in Asia Pacific, Europe, or North America.

Typical application: Containers.

Characteristics include:

Food Contact Acceptable

Good Stiffness

Hexene Comonomer

High ESCR (Stress Crack Resistant)

Impact Resistant

General Information			
Features	Food Contact Acceptable Good Impact Resistance Good Stiffness Hexene Comonomer High ESCR (Stress Crack Resist.)		
Uses	Blown Containers Containers		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.949	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.070	g/10 min	
190°C/21.6 kg	9.0	g/10 min	
Environmental Stress-Cracking Resistance (F50)	> 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638
Tensile Elongation (Break)	900	%	ASTM D638
Flexural Modulus	1000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength	360	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Vicat Softening Temperature	130	°C	ASTM D1525
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	190 to 220	°C	

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