(+) 188 1699 6168 hongrunplastics.com

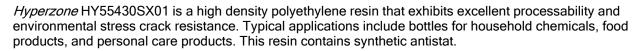
## **Technical Data Sheet**

## Hyperzone HY55430SX01

High Density Polyethylene

## **Product Description**

This is a preliminary data sheet.



## **Regulatory Status**

For regulatory compliance information, see *Hyperzone* HY55430SX01 Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS). To obtain copies of these documents, please contact your LyondellBasell product safety representative.

**Status** Developmental

Availability Asia-Pacific; Europe; North America

**Application** Bottles For Consumer Goods

Market Rigid Packaging

Processing Method Extrusion Blow Molding

Attribute Excellent ESCR (Environmental Stress Cracking Resistance); Excellent Processability

Tomical Busy outles	Nominal	English	Nominal	SI	To at Math a d
Typical Properties	Value	Units	Value	Units	Test Method
Physical					
Melt Flow Rate, (190 °C/2.16 kg)	0.30	g/10 min	0.30	g/10 min	ASTM D1238
Density, (23 °C)	0.954	g/cm³	0.954	g/cm³	ASTM D1505
Mechanical					
Flexural Modulus, (1% Secant)	190000	psi	1310	MPa	ASTM D790
Tensile Strength at Yield	4000	psi	27.6	MPa	ASTM D638
Tensile Elongation at Break	>1000	%	>1000	%	ASTM D638
Environmental Stress Crack Resistance, F₅₀ (100% Igepal®, Cond B)	200	hr	200	hr	ASTM D1693
Impact					
Tensile Impact Strength	140	ft-lb/in²	294	kJ/m²	ASTM D1822
Hardness					
Shore Hardness, (Shore D)	68		68		ASTM D2240
Thermal					
Vicat Softening Temperature	259	°F	126	°C	ASTM D1525
Low Temperature Brittleness, F₅₀	<-105	°F	<-76	°C	ASTM D746
Deflection Temperature Under Load, (66 psi, Unannealed)	151	°F	66	°C	ASTM D648

