

## TECHNICAL DATA SHEET

## E5201S

**E5201S** is a broad molecular weight distribution HDPE, produced by the Mitsui CX Process

**E5201S** is recommended for General Purpose Blow Molding Applications. It can also be used for Double Walled Corrugated Pipes & General Purpose Pipe Applications

**E5201S** combines exceptional processability and excellent mechanical properties

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190°C)	ASTM D1238	g/10 min	0.35
Density (23°C)	ASTM D1505	g/cm <sup>3</sup>	0.958
<b>Physical Property</b>			
Tensile Strength at Yield		MPa	25
Elongation at Yield	ASTM D638	%	7
Tensile Strength at Break	(50 mm/min)	MPa	36
Elongation at Break		%	850
Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	100
Flexural Modulus	ASTM D790A	MPa	1100
Hardness	ASTM D2240	Shore D	65
ESCR (F <sub>50</sub> , 10% Igepal soln. v/v)	ASTM D1693B	Hr	200
Vicat Softening Point (10 N)	ASTM D1525	°C	129
Heat Deflection Temperature (0.455 MPa)	ASTM D648	°C	80
DSC Melting Temperature	ASTM D3418	°C	130
<b>Suggested Processing Conditions</b>			
Barrel Temperature		°C	150 – 160
Die Temperature		°C	160 – 165
Parison Temperature		°C	165 – 170
Cooling Water for Mold		°C	20 – 25

\* Halene H is the registered trademark of High Density Polyethylene of HPL

Mechanical Properties are on specimens from Compression Molded sheets

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