

## TECHNICAL DATA SHEET

## E5201

**E5201** is a broad molecular weight distribution HDPE, produced by the Mitsui CX Process

**E5201** combines exceptional processability with high ESCR and excellent mechanical properties

**E5201** is particularly recommended for High ESCR Blow Molding, Cable Sheathing & Jacketing Compound, Lamination Film, General Purpose Film and Extrusion Applications

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>	0.952
<b>Physical Property</b>			
Tensile Strength at Yield		MPa	25
Tensile Strength at Break	ASTM D638 (50 mm/min)	MPa	34
Elongation at Break		%	850
Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	120
Flexural Modulus	ASTM D790A	MPa	1000
Hardness	ASTM D2240	Shore D	65
ESCR (F <sub>50</sub> , 10% Igepal soln. v/v)	ASTM D1693B	Hr	> 600
Vicat Softening Point (10 N)	ASTM D1525	°C	125
Heat Deflection Temperature (0.455 MPa)	ASTM D648	°C	78
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	160 – 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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