

TECHNICAL DATA SHEET

E5201S

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

The Grade is used for General Purpose Blow Molding Applications.

E5201S combines exceptional processability and excellent mechanical properties.

Property	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190°C)	ASTM D 1238	g/10 min	0.35
Density (23°C)	ASTM D 1505	g/cm ³	0.958
Physical Property			
Tensile Strength at Yield		MPa	25
Elongation at Yield	ASTM D 638	%	11
Tensile Strength at Break	(50 mm/min)	MPa	36
Elongation at Break		%	>600
Notched Izod Impact Strength (23°C)	ASTM D 256A	J/m	150
Flexural Modulus	ASTM D 790A	MPa	1100
Hardness	ASTM D 2240	Shore D	61
ESCR (F ₅₀ , 10% Igepal soln. v/v)	ASTM D 1693B	Hr	200
Vicat Softening Point(10N)	ASTM D 1525	°C	129
Heat Deflection Temperature (0.455 MPa)	ASTM D 648	°C	80
DSC Melting Temperature	ASTM D 3418	°C	130

Suggested Processing Conditions

Barrel Temperature	°C	150/160/160
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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