

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 ³	0.958
Physical Property			
Tensile Strength at Yield		MPa	25
Elongation at Yield	ASTM D638	%	6
Tensile Strength at Break	(50 mm/min)	MPa	36
Elongation at Break		%	> 600
Notched Izod Impact Strength (23°C)	ASTM D256A	J/m	150
Flexural Modulus	ASTM D790A	MPa	1100
Hardness	ASTM D2240	Shore D	65
ESCR (F ₅₀ , 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
Suggested Processing Conditions			
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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