

TECHNICAL DATA SHEET

E 5201S

E 5201S is a broad molecular weight distribution HDPE, produced by the Mitsui CX Process. The Grade is used for General Purpose Blow Molding Applications

E 5201S combines exceptional processability and excellent mechanical properties.

Properties	Test Method	Unit	Value
Melt Flow Index (2.16 kg, 190° C)	ASTM D 1238	g/10 min	0.35
Density (at 23°C)	ASTM D 1505	g/cm ³	0.958
Physical Property			
Tensile Strength at Yield**		MPa	24
Tensile Strength at Break**	ASTM D 638	MPa	34
Elongation at Break**		%	>1000
Izod Impact Strength (Notch, 23 ° C)	ASTM D 256	J/m	105
Flexural Modulus	ASTM D 790	MPa	1100
Hardness	ASTM D 2240	Shore D	61
E.S.C.R.	ASTM D 1693	Hr	200
DSC Melting Temperature	ASTM D 2117	°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

** Tensile Properties are on Compression Molded Type IV Specimens as per ASTM D 638

The information & data presented herein are typical values and should not be construed as specification. No warranty or guarantee expressed or implied is made regarding performance. The information & data are subject to change without prior intimation based on research & development work undertaken by the company.