

Product Texts

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.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	0.35	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	25	MPa	ASTM D 638
Tensile Strength at Break	36	MPa	ASTM D 638
Elongation at Yield	7	%	ASTM D 638
Elongation at Break	850	%	ASTM D 638
Flexural Modulus	1100	MPa	ASTM D 790
Shore D Hardness	65	-	ASTM D 2240
Izod Impact notched, 1/8 in	100	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	70	°C	ASTM D 648
Melting Temperature	130	°C	ASTM D 3418
Vicat Temperature	125	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	954	kg/m ³	ASTM D 792

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	165 - 170	°C	-
Zone 1	150 - 160	°C	-
Nozzle temperature	160 - 165	°C	-

Characteristics

Processing
Blow Molding

Regional Availability
Asia Pacific

Applications
General Purpose