

Product Texts

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

This resin is particularly recommended for high ESCR Blow Molding, Cable Sheathing & Jacketing Compound, Lamination Film, General Purpose Film and Extrusion Applications.

E5201 combines exceptional processability with high ESCR 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	34	MPa	ASTM D 638
Elongation at Break	850	%	ASTM D 638
Flexural Modulus	1000	MPa	ASTM D 790
Shore D Hardness	65	-	ASTM D 2240
Izod Impact notched, 1/8 in	120	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	60	°C	ASTM D 648
Melting Temperature	130	°C	ASTM D 3418
Vicat Temperature	122	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	950	kg/m ³	ASTM D 792

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

Characteristics**Processing**

Film Extrusion, Wire/Cable Extrusion, Other Extrusion, Blow Molding

Chemical Resistance

Environmental Stress Crack Resistance

Applications

General Purpose

Regional Availability

Asia Pacific