

## TECHNICAL DATA SHEET

## P5200

**P5200** is a pipe grade HDPE, produced by the Mitsui CX Technology.

This resin is recommended for **PE 63** compliant pressure pipes.

**P5200** combines excellent processability with good creep resistance, ESCR and mechanical properties.

Property	Test Method	Unit	Value
Melt Flow Index (5.0 Kg, 190°C)	ASTM D 1238	g/10 min	0.8
Density (27°C)	ASTM D 1505	g/cm <sup>3</sup>	0.948
<b>Physical Property</b>			
Tensile Strength at Yield		MPa	25
Elongation at Yield	ASTM D 638	%	7
Tensile Strength at Break	(50 mm/min)	MPa	38
Elongation at Break		%	750
Notched Izod Impact Strength (23°C)	ASTM D 256A	J/m	175
Flexural Modulus	ASTM D 790A	MPa	900
Hardness	ASTM D 2240	Shore D	62
ESCR (F <sub>50</sub> , 10% Igepal soln. v/v)	ASTM D 1693B	Hr	>1000
Vicat Softening Point (10N)	ASTM D 1525	°C	121
Heat Distortion Temperature (0.455 MPa)	ASTM D 648	°C	67
Oxidative Induction Time	ASTM D 3895	min	>30

### Suggested Processing Conditions

Barrel Temperature	°C	150 – 180
Die Temperature	°C	170 – 180

\* 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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