



## Provisional Product Data Sheet of EVALENE® HJ04551 High Density Polyethylene Grade (Developmental)

PROPERTY	Test Condition	Test Method	Typical Value	UNIT
Melt Index	190°C/ 2.16 kg	ASTM D1238	4.0	g/10 min
Density	23°C	ASTM D1505	955	kg/m <sup>3</sup>
Tensile Strength at Yield	50mm/min	ASTM D638	24	MPa
Elongation at Yield	50mm/min	ASTM D638	19	%
Tensile Modulus	1% Secant 5mm/min	ASTM D638	1187	MPa
Flexural Modulus	1% Secant 1.3 mm/min	ASTM D790	679	MPa
Charpy Impact Strength	23°C	ASTM D6110	40*	J/m
Charpy Impact Strength <sup>+</sup>	-10°C	Internal	15**	J/m
ESCR, F <sub>50</sub>	Condition B, 50°C	ASTM D1693	7	Hrs.

\*Partial break

\*\* Break

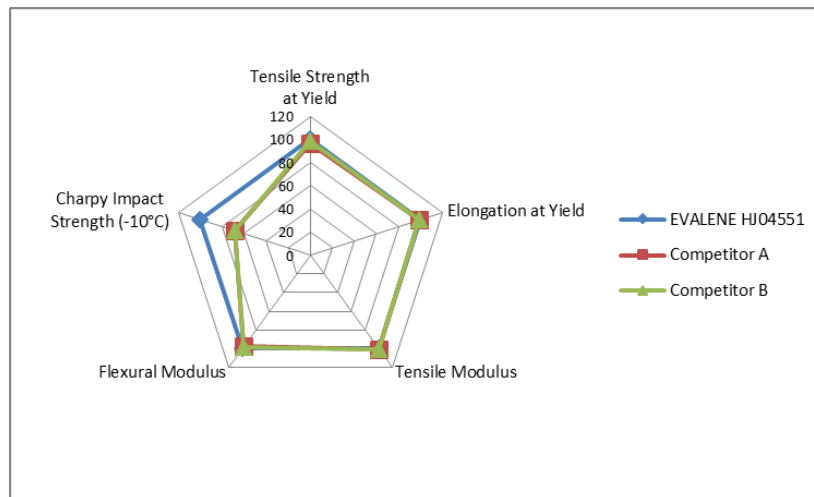
+ Charpy Impact Strength (-10°C) tested using compression molded specimens

### FEATURES:

- Outstanding low temperature impact strength
- Excellent stress crack resistance
- Excellent weatherability and long-term outdoor performance (contains UV-stabilizers)

### TYPICAL APPLICATIONS:

- Pallets
- Crates



**EVALENE® HJ04551 has outstanding impact resistance versus other competitor grades.**

### DISCLAIMER:

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