

# Clyrell EC5080

Thermoplastic Polyolefin Elastomer

PolyMirae

## Message:

Clyrell EC5080 is a thermoplastic polyolefin, which has been developed for EBM and sheet/ thermoforming application. Clyrell EC5080 can overcome the limitations of conventional PP because of good low temp impact resistance with good transparency. Therefore, customer can contribute a differentiated competitiveness for extrusion blow molding/ sheet/ TF markets

Product Features

Good low temperature impact resistance/ Good optical property

Typical Applications

Blow Molding applications/ Sheet and Thermoforming applications

General Information	
Features	High Clarity
	Low Temperature Impact Resistance
	Opticals
Uses	Blow Molding Applications
	Sheet
RoHS Compliance	Contact Manufacturer
Appearance	Clear/Transparent
Processing Method	Blow Molding
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.6	MPa	ASTM D638
Tensile Elongation (Yield)	17	%	ASTM D638
Flexural Modulus	706	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256

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