

Technical Data Sheet

***icorene* HD0235G30CD1A13741BLK**



High Density Polyethylene

**Product Description**

*icorene* HD0235G30CD1A13741BLK is a Polyethylene, High Density Glass Fiber, 30% filled material.

**Forms** Pellets  
**Filler/Reinforcement** Glass Fiber, 30%

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate	3	g/10 min	ASTM D1238
Density - Specific Gravity	1.18	g/cm <sup>3</sup>	ASTM D792
<b>Mechanical</b>			
Tensile Strength at Yield	36	MPa	ASTM D638
Flexural Modulus	4200	MPa	ASTM D790
Tensile Elongation at Break	2	%	ASTM D638
Tensile Modulus	4200	MPa	ASTM D638
Flexural Strength	42	MPa	ASTM D790
<b>Impact</b>			
Unnotched Izod Impact, (3.18 mm)	110	J/m	ASTM D4812
Notched Izod Impact, (3.18 mm)	50	J/m	ASTM D256
<b>Hardness</b>			
Rockwell Hardness, (R-Scale)	75		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load Unannealed (264 psi)	110	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	130	°C	ASTM D648

## Notes

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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