Technical Data Sheet

Icorene HD0205L A09010 WHITE

High Density Polyethylene

Product Description

Icorene HD0205L A09010 WHITE is a Polyethylene, High Density material. Features include: High Density.

Regulatory Status

For regulatory compliance information, see HD0205L A09010 WHITE Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Attribute	High Density
Forms	Pellets

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	12	g/10 min	ASTM D1238
Density - Specific Gravity	0.953	g/cm³	ASTM D792
Mechanical			
Tensile Modulus	1100	MPa	ASTM D638
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Strength at Break	11	MPa	ASTM D638
Flexural Modulus	800	MPa	ASTM D790
Flexural Strength	22	MPa	ASTM D790
Tensile Elongation at Yield	10	%	ASTM D638
Tensile Elongation at Break	300	%	ASTM D638
Impact			
Notched Izod Impact	52	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	52		ASTM D785
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	69	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	47	°C	ASTM D648

Manufacturer website: https://www.lyondellbasell.com/en/

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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