Technical Data Sheet

Icorene HD0204UVLB13245GRN

High Density Polyethylene

Product Description

Icorene HD0204UVLB13245GRN is a Polyethylene, High Density material. Features include: High Density, and UV Resistant.

Regulatory Status

For regulatory compliance information, see HD0204UVLB13245GRN Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	North America
Attribute	High Density; UV Resistant
Forms	Pellets
Additive	UV Stabilizer

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	7.0	g/10 min	ASTM D1238
Density - Specific Gravity	0.951	g/cm³	ASTM D792
Mechanical			
Tensile Modulus	1000	MPa	ASTM D638
Tensile Strength at Yield	26	MPa	ASTM D638
Tensile Strength at Break	14	MPa	ASTM D638
Flexural Modulus	800	MPa	ASTM D790
Flexural Strength	21	MPa	ASTM D790
Tensile Elongation at Yield	10	%	ASTM D638
Tensile Elongation at Break	500	%	ASTM D638
Impact			
Notched Izod Impact	80	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	50		ASTM D785
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	45	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	88	°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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