

SABIC® 1905U0

SABIC® LDPE 1905U0 is an Ultra Melt Strength (UMS) grade typically used in foam applications. Application SABIC® LDPE 1905U0 can be typically used for all types of foam, produced with chemical blowing agents or physical gases, X-linked and non X-linked. This product is not intended for and must not be used in any pharmaceutical/medical applications.

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ASTM D1505

Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 190 °C	5.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133
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Mechanical Properties	Metric	English	Comments
Hardness, Shore D	44	44	ISO 868

Modulus of Elasticity	0.240 GPa	34.8 ksi	SABIC method
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Thermal Properties	Metric	English	Comments
Heat of Fusion	100 J/g	43.0 BTU/lb	DIN 53765

Melting Point	105 °C	221 °F	DIN 53765
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Crystallization Temperature	94.0 °C	201 °F	DIN 53765
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Vicat Softening Point	88.0 °C	190 °F	at 10 N (VST/A); ISO 306
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