

Technical Data Sheet

Icorene N3025-700

Polybutylene

Product Description

Icorene N3025 is a powder version of polybutene -1 random copolymer with low ethylene content, specifically designed for use as a layer adhesive. The powder is free flowing and easy to distribute using a scatter coating machine. This grade can be used in various applications as a hot melt adhesive. For example carpet backing or tuft locking or non woven lamination. It features very good adhesion to PP and PE polymer substrates and very low viscosity to give good melt flow around the fibers enabling superior mechanical adhesion. Recycling of the finished PP carpet is possible due to the complete miscibility of the PB1 in PP polymer. MFR measured by ISO 1133-1 is 2500 g/10 minutes

Processing Method	Scatter Coating
Attribute	Food Contact Acceptable; High Flow
Forms	Powder
Additive	Heat Stabilizer
Application	Adhesives

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	2500	g/10 min	ISO 1133
Density	0.915	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break	10	%	ISO 8986-2
Flexural Modulus	350	MPa	ISO 178
Tensile Stress at Break	15.0	MPa	ISO 8986-2
Thermal			
Melting Temperature	83.0 to 105	°C	ISO 11357-3