INSPIRE™ 137 (Blow Molding Extrusion)

Polypropylene

Braskem Europe GmbH

Message:

INSPIRE™ 137 Performance Polymer is an impact copolymer, primarily designed for film extrusion and suitable for blow moulding where high mechanical properties are of the highest importance.
INSPIRE 137 Performance Polymer is a high molecular weight, high impact copolymer with a broad molecular weight distribution.
Applications for INSPIRE 137 Performance Polymer:
Film
Sheet and boards
Adhesive tape
Paper lamination
Extrusion profiles and pipes
Drainage and sewage pipes
Blow moulded containers:
detergents
toiletries
foodstuffs
Complies with:
US FDA FCN 843
European Commission Regulation (EU) No 10/2011
Consult the regulations for complete details.

General Information			
Agency Ratings	EU No 10/2011 FDA FCN 843		
Forms	Pellets		
Processing Method	Blown Film		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.900	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield, Injection Molded)	24.0	MPa	ISO 527-2
Tensile Strain (Yield, Injection Molded)	15	%	ISO 527-2
Flexural Modulus (Injection Molded)	1000	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-20°C, Injection Molded	8.0	kJ/m²	
0°C, Injection Molded	12	kJ/m²	
23°C, Injection Molded	55	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (0.45 MPa, Unannealed)	85.0	°C	ISO 75-2/B
Vicat Softening Temperature	146	°C	ISO 306/A

Recommended distributors for this material

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