Braskem

Data Sheet
D137.01

Developmental Polypropylene D137.01

Subgroup:
Performance Impact Polymer

Description:
D137.01 Developmental Performance Impact Polymer is an impact copolymer, primarily used for blown film applications but is also suitable for general extrusion where high mechanical properties are of importance. D137.01 Performance Polymer is a high impact copolymer and easy to process.

Applications:
- Specialty film eg. Adhesive tapes, lamination, blown film and sheets
- Extrusion profiles and pipes
- Blow moulded containers eg. Bottles

Process:
- Blown film extrusion and general extrusion

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	0.900 g/cm3	0.900 g/cm3	ISO 1183
Melt Mass-Flow Rate (230°C/2.16 kg)	0.8 g/10 min	0.8 g/10 min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, Injection Molded)	3480 psi	24 MPa	ISO 527-2
Flexural Modulus (Injection Molded)	145000 psi	1000 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
73°F (23°C), Injection Molded	26 ft·lb/in²	55 kJ/m²	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			ISO 75-2/B
66 psi (0.45 MPa), Unannealed	185 °F	85 °C	
Vicat Softening Temperature	295 °F	146 °C	ISO 306/A

Notes
These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

* Injection Molded

Regulatory Information:
D137.01Developmental Performance Polymer complies with:
- European Commission Regulation (EU) No 10/2011
- U.S. FDA FCN 843

The appropriate regulations should be consulted for more detailed information.

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Additional Information:

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