

CERTENE™ PBM-5035

Polypropylene Impact Copolymer
Muehlstein

Message:

PBM-5035 is a certified prime Impact Copolymer designed for injection molding applications, including large parts needing a high melt flow rate. PBM-5035 has a good balance of stiffness and toughness, with good mold release properties.

General Information			
Features	Rigid, good		
	Impact copolymer		
	High liquidity		
	Good toughness		
	Good demoulding performance		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	21.0	MPa	ASTM D638
Tensile Elongation ² (Yield)	4.7	%	ASTM D638
Flexural Modulus - 1% Secant ³	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	160	J/m	ASTM D256A
Dart Drop Impact (-29°C, 3.18 mm)	25.6	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	94.4	°C	ASTM D648
Additional Information			
Test made on injection molded Type 1 tension test specimen according to ASTM D4101.			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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