

# Moplen BA238A

Polypropylene Copolymer

PolyMirae

Message:

Moplen BA238A is a non-filled copolymer for injection moulding with very high impact strength. This grade is natural, in pellet form. Typical applications for Moplen BA238A are painted bumpers.

General Information			
Features	Copolymer		
	High Impact Resistance		
	Low Temperature Impact Resistance		
	Paintable		
Uses	Automotive Bumper		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	60		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	18.6	MPa	ASTM D638
Flexural Modulus (Injection Molded)	883	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, Injection Molded	120	J/m	
23°C, Injection Molded	No Break		
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	95.0	°C	ASTM D648
Vicat Softening Temperature	130	°C	ASTM D1525

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