

KMI KM 757ABS

Acrylonitrile Butadiene Styrene

KMI Group, Inc.

Message:

KM 757ABS is a general purpose ABS Resin.

Product Characteristics:

High Gloss

Medium Impact

High Rigidity

General Information			
Features	Rigidity, high Highlight General Medium impact resistance		
Uses	General		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			
200°C/5.0 kg	1.6	g/10 min	ASTM D1238
220°C/10.0 kg	22	g/10 min	ISO 1133
Molding Shrinkage - Flow	0.40 - 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.18 mm)	45.9	MPa	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus ² (3.18 mm)	2620	MPa	ASTM D790
Flexural Strength ³ (3.18 mm)	80.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.18 mm	210	J/m	ASTM D256
23°C, 6.35 mm	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, unannealed, 3.18mm	85.6	°C	ASTM D648
1.8 MPa, annealed, 3.18mm	95.0	°C	ASTM D648
Vicat Softening Temperature	105	°C	ASTM D1525
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

NOTE

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| 1. | Type 1 |
| 2. | Type 1 |
| 3. | Type 1 |

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