

KMI PP KM-554IB

Polypropylene Impact Copolymer

KMI Group, Inc.

Message:

KM-554IB is a block copolymer polypropylene resin with long term thermal stability for injection molding applications. KM-554IB has UL746B certification. IT shows high gloss level similar with ABS. The grade has a high stiffness combined with good impact resistance. Scratch resistance and stress whitening resistance are much improved compared with general PP Processability is excellent due to very broad molecular weight distribution.

Characteristics:

- Long term thermal stability (RTI 125°C)
- High gloss
- High stiffness and good impact strength
- Outstanding scratch resistance

General Information			
Features	Block Copolymer		
	Rigidity, high		
	Highlight		
	Impact resistance, good		
	Workability, good		
	Wide molecular weight distribution		
	Scratch resistance		
	Thermal stability, good		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	93		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	39.2	MPa	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Flexural Modulus	1770	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact (23°C)	88	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Distortion	130	°C	ASTM D648

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