

HIPRENE MSG43E

HiPrene®MSG43E is a 30% glass fiber filled, impact modified polypropylene compound suitable for injection moulding. This material combines excellent impact/stiffness balance and high heat stability. This grade is available in natural or color-matched, pellet form.

	Properties	Test condition	Method	Unit	Value
Impact	Charpy Impact Strength Notched	23°C	ISO 179/1eA	KJ/m ²	35
Hardness	Rockwell Hardness	R-Scale	ISO 2039		85
Physical	Melt Mass-Flow Rate		ISO 1133	g/10min	2,5
	Specific Gravity		ISO 1183	g/cm ³	1,13
Thermal	Volatile Matters		GS Method	%	0,15
	Ash Content	600°C	ISO 3451	%	33
Mechanical	Tensile Stress at Yield		ISO 527-2	MPa	65
	Tensile Strain at Break		ISO 527-2	%	7,5
	Flexural Modulus ¹	23°C / 2mm/min	ISO 178	MPa	4700