

# Hifax TSOP EM1 R1K3 G33016

Polypropylene Copolymer

LyondellBasell Industries

## Message:

Hifax TSOP-EM1 G33016 (R1K3) is a mineral filled high impact polypropylene copolymer. The grade has been specifically designed for moulding large complex parts that require high impact as well as good stiffness.

General Information			
Filler / Reinforcement	Mineral		
Features	Good Processability		
	Good Stiffness		
	High Flow		
	High Impact Resistance		
	Impact Copolymer		
	Paintable		
Uses	Automotive Applications		
	Automotive Bumper		
	Automotive Exterior Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.975	g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	27	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	> 58		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	17.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 100	%	ISO 527-2/50
Flexural Modulus <sup>1</sup> (23°C)	1200	MPa	ISO 178
Flexural Stress (23°C)	21.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	> 6.0	kJ/m <sup>2</sup>	
23°C	> 40	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	> 95.0	°C	ISO 75-2/B
NOTE			
1.	2.0 mm/min		

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